



70:3090

Energy Policy Branch
Library

WATER POLLUTION CONTROL PROJECTS

1

OPERATING SUMMARY

9

8

6



Ontario

Ministry
of the
Environment

Copyright Provisions and Restrictions on Copying:

This Ontario Ministry of the Environment work is protected by Crown copyright (unless otherwise indicated), which is held by the Queen's Printer for Ontario. It may be reproduced for non-commercial purposes if credit is given and Crown copyright is acknowledged.

It may not be reproduced, in all or in part, for any commercial purpose except under a licence from the Queen's Printer for Ontario.

For information on reproducing Government of Ontario works, please contact ServiceOntario Publications at copyright@ontario.ca

WATER POLLUTION CONTROL
PROJECTS

OPERATED BY

ONTARIO
MINISTRY OF THE ENVIRONMENT

PREPARED BY:

WATER RESOURCES BRANCH
PROJECT AND DATA
MANAGEMENT SECTION

(416)323-4979

FOREWORD

The Ministry of the Environment is concerned with the protection and enhancement of the natural environment; and to meet this goal, one of its objectives is to ensure the sound management of wastes across the province. In this regard, the Ministry inspects and regulates all wastewater treatment facilities, and monitors the performance of the treatment plants and their effluent qualities with routine and special sampling programs. The administration of these services and programs is carried out on a regional basis.

Normally, the responsibility for the provision of wastewater treatment services lies with the individual municipalities. However, by special arrangement, more than 200 wastewater treatment facilities in the Province of Ontario are administered and operated by the six Regional Utility Operations Sections of the Ministry of the Environment. In order to maintain operational control and long-term evaluation of these provincially-operated facilities, up-to-date statistics are maintained on process performance and operating costs for each plant, and an annual "Operating Summary" of these statistics is traditionally produced.

Additional copies of this publication can be obtained in writing from:

D. Weatherbe, Supervisor
Data Management
Water Resources Branch
1 St. Clair Ave., W.
Toronto, Ontario
M4V 1K6

or

D. Roomes
Municipal Data Officer
Water Resources Branch
1 St. Clair Ave., W.
Toronto, Ontario
M4V 1K6

or

R. Bendins
Database Management Technician
Water Resources Branch
1 St. Clair Ave., W.
Toronto, Ontario
M4V 1K6

C O N T E N T S

	<u>PAGE</u>
<u>PROJECTS INCLUDED IN REPORT</u>	vi-xii
<u>INTRODUCTION</u>	1
<u>SUMMARY TABLES</u>	
Plant Loading	2 - 9
Plant Performance	10 - 17
Other Macro-Nutrients	18 - 25
Chemicals used for Phosphorus Removal	26 - 31
Aeration Performance	32 - 37
Sludge Digestion	38 - 45
Hauled Sludge Characteristics	46 - 55
Operation Data - Lagoons	56 - 61
Operating Cost Summary	62 - 65

	<u>PAGE</u>
<u>PROJECTS REPORTS</u>	67
<u>SOUTHWEST REGION</u>	68
Mechanical Plants	69
Waste Stabilization Ponds	111
<u>WEST CENTRAL REGION</u>	170
Mechanical Plants	171
Waste Stabilization Ponds	207
<u>CENTRAL REGION</u>	222
Mechanical Plants	223
Waste Stabilization Ponds	245
<u>SOUTHEAST REGION</u>	256
Mechanical Plants	257
Waste Stabilization Ponds	291
<u>NORTHEAST REGION</u>	320
Mechanical Plants	321
Waste Stabilization Ponds	347
<u>NORTHWEST REGION</u>	386
Mechanical Plants	387
Waste Stabilization Ponds	407

APPENDIX

Projects Start-Up, Operating Authority Change and No Data	415
--	-----

PROJECTS INCLUDED IN 1986 REPORT

<u>MUNICIPALITY</u>	<u>WATERCOURSE/AREA SCHEME SYSTEM</u>	<u>CAPACITY (1000M³)</u>	<u>REGION</u>	<u>PAGE</u>
ALEXANDRIA	Delisle River	6.819	SE	316
ALFRED	Ruisseau des Atocas	.714	SE	296
ALLISTON	Boyne River	3.500	C	232
ALMONTE	Mississippi River	5.455	SE	313
ALVINSTON	Sydenham River	.600	SW	84
ANDERDON (EDGEWATER)	Detroit River	1.614	SW	120
ANDERDON (MCGREGOR)	King's Creek	.568	SW	163
ARRAN (TARA)	Sauble River	.650	SW	121
ARTHUR	Conestoga River	.982	WC	210
ASSIGINACK (MANITOWANING)	Lake Huron	.250	NE	356
ATIKOKAN	Atikokan River	4.082	NW	396
ATWOOD (RAINY RIVER)	Rainy River	.991	NW	408
AYLMER	Catfish Creek	5.228	SW	122
BAIRD (MADSEN)	Flat Lake	.273	NW	NO DATA
BARRY'S BAY	Kamaniskeg Lake	1.241	SE	276
BEARDMORE	No Disc. to Surface Water	1.364	NW	413
BEETON	No Disc. to Surface Water	1.364	C	255
BELLEVILLE	Bay of Quinte	54.552	SE	262
BELMONT	Kettle Creek	.564	SW	123
BLACK R MATHESON (MATH)	Black River	1.046	NE	338
BLACK R MATHESON (RAMORE)	Black River	.123	NE	352
BLACK R MATHESON (VAL GAG)	Creek to Black River	.123	NE	353
BLANDFORD-BLENHEIM (PLAT)	Nith River	.596	SW	166
BLENHEIM	Cameron Dr - McGregor Ck	1.950	SW	124
BLIND RIVER	Lake Huron	3.500	NE	339
BLYTH	Blyth Creek	.732	SW	85
BOBCAYGEON	Bobcaygeon River	3.055	C	233
BRADFORD	Schomberg River	6.819	C	234
BRANTFORD	Grand River	81.828	WC	176
BRUCE MINES	St. Joseph Chl. to L. Huron	.286	NE	357
BRUSSELS	Maitland River	.882	SW	86
BURKS FALLS	Magnetawan River	.682	NE	358
CALDWELL (VERNER)	Veuve River	.477	NE	359
CAMBRIDGE (GALT)	Grand River	38.641	WC	177
CAMBRIDGE (HESPELER)	Speed River	9.319	WC	198
CAMBRIDGE (PRESTON)	Grand River	16.866	WC	178

PROJECTS INCLUDED IN 1986 REPORT

<u>MUNICIPALITY</u>	<u>WATERCOURSE/AREA SCHEME SYSTEM</u>	<u>CAPACITY (1000M³)</u>	<u>REGION</u>	<u>PAGE</u>
CAMPBELLFORD	Trent River	5.910	C	224
CARLETON PLACE	Mississippi River	5.455	SE	289
CASIMIR J.A. (ST. CHARLES)	McPherson Creek W. Branch	.546	NE	360
CASSELMAN	S. Nation River	1.364	SE	297
CHALK RIVER	Duck Cr to Duck Lake	.364	SE	277
CHAPLEAU	Nebskwash	4.546	NE	349
CHESLEY	North Saugeen River	1.459	SW	NO DATA
CHESTERVILLE	South Nation River	1.227	SE	298
COLDWATER	Coldwater River	.546	C	235
CORNWALL (CORNWALL)	St. Lawrence River	37.505	SE	258
COSBY M.M. (NOELVILLE)	Wolf River	.796	NE	361
DELHI	Big Creek	3.182	WC	179
DESERONTO	Bay of Quinte	1.364	SE	278
DOVER (MITCHELL'S BAY)	Lake St. Clair	.509	SW	125
DRAYTON	Conestogo River	.559	WC	216
DRESDEN	Sydenham River	4.546	SW	87
DUNDALK	Foley Drain to Grand R.	1.059	SW	126
DUNNVILLE	Grand River	7.728	WC	180
DUNNVILLE (OSWEGO PARK)	Oswego Creek	.091	WC	217
DURHAM	Saugeen River	2.182	SW	88
DUTTON	Bennett Ck. to L. Erie	.336	SW	127
E. WILLIAMS (AILSA CRAIG)	Ausable River	.600	SW	89
EAR FALLS	English River	2.864	NW	397
EAST ZORRA (TAVISTOCK)	Tributary to Thames R.	.773	SW	128
EGANVILLE	Bonnechere River	.764	SE	279
EMO	Rainy River	.273	NW	409
ENGLEHART	Englehart River	.909	NE	354
ENNISKILLEN (OIL CITY)	Black Creek	.182	SW	129
ERNESTOWN (AMHERSTVIEW)	Collins Cr. N.Channel	2.391	SE	293
ERNESTOWN (ODESSA)	Millhaven Creek	.909	SE	280
ESPANOLA	Spanish River	3.000	NE	322
ESSA (ANGUS)	Nottawasage River	3.396	C	236
ESSEX (N.E.)	Puce River Drain	2.887	SW	130
ESSEX (S.W.)	Canard River	1.527	SW	131
EXETER	Ausable River	2.232	SW	132
FENELON FALLS	Fenelon River	1.000	C	242
FERGUS	Grand River	5.001	WC	181

PROJECTS INCLUDED IN 1986 REPORT

<u>MUNICIPALITY</u>	<u>WATERCOURSE/AREA SCHEME SYSTEM</u>	<u>CAPACITY (1000M³)</u>	<u>REGION</u>	<u>PAGE</u>
FOREST	Hickory Creek	1.350	SW	133
FORT FRANCES	Rainy River	9.092	NW	389
FRANKFORD	Trent River	1.364	SE	273
GERALDTON	Lake Kenogamisis	1.814	NW	398
GLENCOE	Newbiggen Creek	.946	SW	134
GOLDEN (BALMERTOWN)	Balmer Creek	1.223	NW	399
GOLDEN (COCHENOUR)	Red Lake	.768	NW	410
GORE BAY	Lake Huron	.632	NE	362
GOSFIELD N. (COTTAM)	Maddox Drain to Belle R.	.677	SW	135
GRAND VALLEY	Grand River	.600	WC	200
HAGARTY & RICHARDS (KILL)	Brudenell Creek	.591	SE	281
HAILEYBURY NEW	Lake Timiskaming	1.609	NE	340
HAILEYBURY OLD	Lake Timiskaming	1.591	NE	332
HAILEYBURY (N. COBALT)	Farr Creek	.341	NE	363
HALDIMAND (CALEDONIA)	Grand River	2.273	WC	182
HALDIMAND (CAYUGA)	Grand River	.909	WC	201
HALDIMAND (HAGERSVILLE)	Sandusk Creek	1.000	WC	190
HARRISTON	Maitland River	.996	WC	207
HARROW	Cedar Creek	1.523	SW	136
HASTINGS	Trent River	1.059	C	243
HAVELOCK	Plato Creek	.582	C	247
HAWKESBURY	Ottawa River	12.274	SE	269
HEARST	Mattawishkwia River	6.819	NE	382
HENSALL	Black Ck to Ausable R.	.622	SW	156
HORNEPAYNE (WICKSTEED)	Jackfish River	1.364	NE	341
IGNACE	Agimac Creek	2.496	NW	400
INGERSOLL (NEW)	Thames River	6.819	SW	74
INGERSOLL (OLD)	Thames River	3.410	SW	75
IROQUOIS FALLS	Abitibi River	4.091	NE	333
KAPUSKASING	Kapuskasing River	9.092	NE	342
KINCARDINE	Lake Huron	5.910	SW	167
KINGSTON	Lake Ontario	25.003	SE	263
KIRKLAND LAKE	Murdock Creek	13.638	NE	334
KITCHENER	Grand River	122.742	WC	183
L'ORIGNAL	Ottawa River	.955	SE	282
LANCASTER	Finney Creek	.591	SE	299
LATCHFORD	Montreal River	.341	NE	343

PROJECTS INCLUDED IN 1986 REPORT

<u>MUNICIPALITY</u>	<u>WATERCOURSE/AREA SCHEME SYSTEM</u>	<u>CAPACITY (1000M³)</u>	<u>REGION</u>	<u>PAGE</u>
LEEDS & LANSLOWNE	No Disc. to Surface Water	.336	SE	313
LISTOWEL	Chapman Drain	4.919	SW	168
LITTLE CURRENT	Ditch to Georgian Bay	.927	NE	364
LOBO (KILWORTH HEIGHTS)	Thames River	.264	SW	90
LONGLAC	Making Ground Water	2.341	NW	393
LUCAN	Little Ausable River	.373	SW	137
MADOC	Deer Creek to Moira Lake	1.364	SE	300
MAIDSTONE (BELLE RIVER)	Lake St. Clair	6.819	SW	91
MARATHON	Lake Superior	4.401	NW	401
MARKDALE	Rocky Saugeen River	1.123	SW	113
MARMORA	Crowe River	.868	SE	283
MATTAWA	Mattawa River	1.091	NE	379
MATTICE-VAL-COTE	Missinabi Lake	.582	NE	NO DATA
MCGILLIVRAY (PARKHILL)	Parkhill Creek	1.105	SW	138
MEAFORD	Georgian Bay	3.910	SW	105
MERRICKVILLE	Rideau River	.500	SE	284
MICHIPICOTEN (WAWA)	Magpie River	1.818	NE	365
MILDMAY	Otter Creek	.968	SW	92
MILLBROOK	Baxter Creek	1.137	C	237
MISSISSAUGA (CLARKSON)	Lake Ontario	109.104	C	225
MISSISSAUGA (LAKEVIEW)	Lake Ontario	284.125	C	226
MITCHELL	Thames River	3.564	SW	139
MOONBEAM	Creek Sys to Groundhog River	.650	NE	366
MOORE (BRIGDEN)	Bear Creek	.336	SW	157
MOORE (CORUNNA)	St. Clair River	4.546	SW	93
MOORE (COURTRIGHT)	St. Clair River	.682	SW	94
MOOSONEE (OLD TOWNSITE)	Store Ck to Moose River	.509	NE	335
MOOSONEE (NORTH)	Moose River	.250	NE	344
NAKINA	Balkam Creek	.500	NW	402
NANTICOKE (JARVIS)	Sandusk Creek	.546	WC	211
NANTICOKE (PORT DOVER)	Lake Erie	4.091	WC	173
NANTICOKE (STELCO IND. P)	Center Creek	.045	WC	212
NANTICOKE (TOWNSEND)	Nanticoke Creek	.955	WC	NO DATA
NANTICOKE (WATERFORD)	Nanticoke Creek	2.137	WC	220
NEW LISKEARD	Wabi River	5.500	NE	383
NORFOLK (PORT ROWAN)	Dedrich Creek	.727	WC	213
NORMANBY (NEUSTADT)	South Saugeen River	.418	SW	140

PROJECTS INCLUDED IN 1986 REPORT

<u>MUNICIPALITY</u>	<u>WATERCOURSE/AREA SCHEME SYSTEM</u>	<u>CAPACITY (1000M³)</u>	<u>REGION</u>	<u>PAGE</u>
NORTH BAY	Lake Nipissing	36.368	NE	326
NORTH DUMFRIES (AYR)	Nith River	1.182	WC	191
NORTH HIMSWORTH (CALL)	Ditch to Callander Bay	.477	NE	367
NORWICH	Big Otter Creek	.996	SW	141
NORWOOD	Ouse River	.727	C	244
OIL SPRINGS	Black Creek	.273	SW	158
OMEMEE	No Disc. to Surface Water	.614	C	251
OPASATIKA	Opasatika River	1.818	NE	NO DATA
ORANGEVILLE	Credit River	14.547	WC	184
OWEN SOUND	Georgian Bay	24.548	SW	70
PAISLEY	Saugeen River	.705	SW	NO DATA
PALMERSTON	Wallace Drain	.682	WC	185
PARIS	Grand River	7.046	WC	192
PARRY SOUND	McCurry Lake	6.592	NE	327
PETAWAWA	Ottawa River	4.546	SE	259
PETROLIA	Bear Creek	3.182	SW	95
PICKLE LAKE	Kawinogans River	.909	NW	403
PITTSBURG (CANA)	Catarqui River	.095	SE	285
PLANTAGENET	South Nation River	.591	SE	301
PLYMPTON (WYOMING)	Stonehouse Drain	1.127	SW	96
POINT EDWARD	St. Clair River	2.591	SW	71
PORT BURWELL	Big Otter CR.-Lake Erie	.527	SW	97
PORT MCNICOLL	Georgian Bay	1.046	C	229
PORT STANLEY	Ditch to Kettle Creek	1.496	SW	142
POWASSAN	Genesee Creek	.846	NE	368
PRESCOTT (EDWARDSBURGH)	St. Lawrence River	5.683	SE	260
RALEIGH TILBURY E (MERLIN)	Foxton Dr.-Jeanettes Ck	.464	SW	159
RATTER & DUNNET (WARREN)	Veuve River	.682	NE	369
RED LAKE	Howey Bay	2.464	NW	404
RIDGETOWN	Gawne Dr To McGregor Ck	1.337	SW	143
ROCKLAND	Ottawa River	3.341	SE	318
RODNEY	Sixteen Mile Ck.	.541	SW	144
ROMNEY (WHEATLY)	Lake Erie	2.750	SW	98
RUSSELL	Castor River	1.000	SE	308
S DUMFRIES (ST. GEORGE)	Fairchild Creek (W. Br)	1.064	WC	193
SARNIA (BRIGHT'S GROVE)	Creek To L. Huron	1.759	SW	145

PROJECTS INCLUDED IN 1986 REPORT

<u>MUNICIPALITY</u>	<u>WATERCOURSE/AREA SCHEME SYSTEM</u>	<u>CAPACITY (1000M³)</u>	<u>REGION</u>	<u>PAGE</u>
SAULT STE MARIE (WEST END)	St. Mary's River	18.184	NE	328
SAULT STE MARIE	St. Mary's River	54.552	NE	323
SCHREIBER	Creek To L. Superior	1.137	NW	405
SEAFORTH	Cresswell Creek	1.014	SW	146
SHACKLETON & MACHIN	Groundhog River	.273	NE	370
SHELBURNE	Boyne River	2.046	WC	202
SIDNEY (BATAWA)	Trent River	.568	SE	264
SIMCOE	Lynn River	15.456	WC	186
SMITH (WOODLAND ACRES)	Otonabee River	.364	C	238
SMOOTH ROCK FALLS	Mattagami River	1.637	NE	345
SOMBRA (PORT LAMBTON)	Marshy Ck. To St. Clair R.	1.082	SW	147
SOMBRA (PORT SOMBRA)	St. Clair River	.968	SW	148
SOUTHAMPTON	Saugeen River	3.046	SW	109
ST. MARYS	Thames River	3.637	SW	76
ST. ISIDORE DE PRESCOTT	Scotch River	.655	SE	309
STEPHEN (GRAND BEND)	Ausable River	1.896	SW	149
STEPHEN (HURON PARK)	Ausable River	1.818	SW	77
STRATFORD	Avon River	27.276	SW	78
STURGEON FALLS	Sturgeon River	4.546	NE	329
SUNDRIDGE	Bernard Creek	.655	NE	371
TEMAGAMI	Snake Island Lake	.114	NE	372
THAMESVILLE	Thames River	.818	SW	99
THEDFORD	Decker Creek	.482	SW	160
THESSALON	Thessalon River	1.232	NE	373
THORNBURY	Beaver River	1.727	SW	169
TILBURY N (STONE POINT)	Little Creek	.959	SW	150
TILBURY WEST (COMBER)	Govn't Dr. NO. 1 To Big Ck	.405	SW	151
TILLSONBURG	Big Otter Creek	5.910	SW	79
TRENTON	Bay of Quinte	15.911	SE	265
TUCKERSMITH (VAN ASTRA)	Mun. Drain to Bayfield R.	1.405	SW	80
TWEED	Moirs River	1.209	SE	302
VAL RITA-HARTY (VAL-RITA)	Creek to Kapuskasing R.	.568	NE	374
VANKLEEK HILL	Little Rideau Creek	.909	SE	303
VICTORIA HARBOUR	Georgian Bay	2.364	C	239
WALLACEBURG	Sydenham River	6.819	SW	81

PROJECTS INCLUDED IN 1986 REPORT

<u>MUNICIPALITY</u>	<u>WATERCOURSE/AREA SCHEME SYSTEM</u>	<u>CAPACITY (1000M³)</u>	<u>REGION</u>	<u>PAGE</u>
WASAGA BEACH	No Disc. To Surface Water	5.773	C	240
WATERLOO	Grand River	45.460	WC	187
WATFORD	Bear Creek	1.050	SW	152
WEBBWOOD	Gough Creek	.341	NE	375
WELLESLEY	Nith River	.500	WC	194
WEST LORNE	Zollar Drain	.677	SW	153
WESTMINSTER (SOUTHLAND)	Dingman Creek	.264	SW	100
WESTMINSTER (WESTMINSTER)	Dingman Creek	1.137	SW	101
WESTPORT	Upper Rideau Lake	.327	SE	304
WHITE RIVER	Small Cr. to White-River		NE	NO DATA
WIARTON	Colpoy Bay	2.005	SW	116
WILMOT (BADEN)	Baden Creek	.923	WC	195
WILMOT (NEW HAMBURG)	Nith River	2.728	WC	221
WINCHESTER	Castor River	.559	SE	305
WINGHAM	Maitland River	1.605	SW	117
WOOLWICH (ELMIRA)	Canagagigue Creek	3.091	WC	188
WOOLWICH (ST. JACOBS)	Conestoga River	.955	WC	203
ZURICH	Mun Drain To L. Huron	.441	SW	154

00404-PROJ3.7
WWM/MUNPOL-1.0

INTRODUCTION

In 1986 the Ministry of the Environment operated 123 mechanical wastewater treatment plants and 114 waste stabilization ponds.

During the year a total of 412.9 million cubic metres of wastewater was treated in these facilities, 372.0 million cubic metres in mechanical treatment plants and 40.9 million cubic metres in waste stabilization ponds.

The cost of operating 123 mechanical treatment plants was 33.35 million dollars and for the 114 waste stabilization ponds, 3.88 million dollars.

PLANT LOADING

Hydraulic and organic loading data are summarized in the following table. For the hydraulic assessment, the average day flow for the year is compared to the design capacity and a percentage is calculated.

For the organic assessment, the design loadings for BOD and SS are compared to the actual loadings and a percentage is calculated.

Averages marked with a dot (•) are based upon less than twelve months of data.

Projects marked with a triangle (Δ) are those which have started-up, have switched operating mode, or have changed operating authority during 1986.

Tertiary treatment facilities are highlighted with two asterisks (**).

Wastewater treatment plants are grouped together by Ministry Regions under treatment categories such as Primary, Conventional Secondary, etc.

PLANT LOADING

PROJECT	HYDRAULIC LOADING				ORGANIC LOADING				ACTUAL LOADING	
	DESIGN	AVG.	MAX.	AVG.	DESIGN	LOADING	ACTUAL	LOADING	ACTUAL	LOADING
	CAPACITY	FLOW	FLOW	FLOW %	KG/DAY		KG/DAY		% OF	DESIGN
	1000M3	1000M3	1000M3	DESIGN	BOD	SUSP.SOL	BOD	SUSP.SOL	BOD	SUSP.SOL
JAN/86-DEC/86										
PRIMARY										
SOUTHWESTERN										
OWEN SOUND	24.548	29.412	56.400	119	4418.6	4909.6	2421.5	3230.4	54	65
POINT EDWARD	2.591	1.975	3.600	76	440.4	518.2	228.9	740.6	51	142
WEST-CENTRAL										
NANTICOKE (PORT DOVER)	4.091	3.610	11.450	88	859.1	1210.9	703.3	827.2	81	68
SOUTHEASTERN										
CORNWALL (CORNWALL)	37.504	52.926	90.500	141	4875.5	6000.6	3459.4	5826.2	70	97
PETAWAWA	4.546	4.345	8.730	95			505.4	630.7		
PRESCOTT (EDWARDSBURGH)	5.682	5.242	14.240	92	454.5	909.1	259.9	826.9	57	90
NORTHEASTERN										
ESPANOLA	3.000	3.302	5.021	110			331.8	283.5		
SAULT STE.MARIE	54.552	41.755	131.000	76	20457.0	16365.6	6270.1	6273.6	30	38
NORTHWESTERN										
FORT FRANCES	9.092	7.083	22.500	77	1181.9	1636.5	458.0	890.0	38	54

PLANT LOADING

PROJECT	<--- HYDRAULIC LOADING --->				<--- ORGANIC LOADING --->				<--->	
	DESIGN	AVG.	MAX.	AVG.	DESIGN	ACTUAL	DESIGN	ACTUAL	ACTUAL	LOADING
	CAPACITY	FLOW	FLOW	FLOW %	LOADING	LOADING	LOADING	LOADING	% OF	LOADING
	1000M3	1000M3	1000M3	DESIGN	BOD	SUSP.SOL	BOD	SUSP.SOL	BOD	SUSP.SOL
JAN/86-DEC/86										
CONVENTIONAL ACTIVATED SLUDGE										
SOUTHWESTERN										
INGERSOLL (NEW)	6.819	5.681	10.400	83	1363.8	1363.8	1100.5	2167.5	80	158
INGERSOLL (OLD)	3.409	2.187	4.520	64	681.8	681.8	418.3	820.9	61	120
ST MARYS	3.636	3.860	12.110	106	709.0	727.2	852.4	604.4	120	83
STEPHEN (HURON PARK)	1.818	1.600	3.000	88			190.6	209.4		
STRATFORD **	27.276	18.616	56.900	68	3818.6	6819.0	1915.8	2444.8	50	35
TILLSONBURG	5.909	4.818	8.123	81	1388.6	1477.2	583.7	735.9	42	49
TUCKERSMITH (VAN ASTRA)	1.404	.630	3.400	44	238.6	280.8	47.9	51.8	20	18
WALLACEBURG	6.819	8.222	17.099	120	1363.8	1704.7	881.8	1422.4	64	83
WEST-CENTRAL										
BRANTFORD	84.101	52.516	70.900	62	15138.1	20184.2	10485.6	11886.1	69	58
CAMBRIDGE (GALT)	38.641	30.058	47.060	77	9660.2	9660.2	5179.9	5533.1	53	57
CAMBRIDGE (PRESTON)	16.865	8.891	16.090	52	7926.5	7926.5	5480.8	4764.0	69	60
DELHI	3.182	2.163	3.280	67	540.9	604.5	275.2	313.0	50	51
DUNNVILLE	7.728	5.223	11.200	67	1406.4	1545.6	1408.9	1053.7	100	68
FERGUS	5.000	4.439	9.400	88	1000.0	1000.0	435.0	417.6	43	41
HALDIMAND (CALEDONIA)	2.273	2.286	5.070	100			330.7	375.4		
KITCHENER	122.742	63.482	118.923	51	33754.0	36822.6	14775.4	14907.6	43	40
ORANGEVILLE **	14.547	9.095	21.230	62	2909.4	3636.7	1291.4	1427.1	44	39
PALMERSTON	.681	2.790	7.819	409	119.8	108.9	606.3	392.2	505	359
SIMCOE **	15.456	9.232	19.096	59	3400.3	3554.8	2448.0	1884.8	71	53
WATERLOO	45.460	45.931	98.850	101	12274.2	12274.2	9301.0	18602.0	75	151
WOOLWICH (ELMIRA)	4.546	4.368	16.380	96	1909.3	1391.0				
CENTRAL										
CAMPBELLFORD	5.909	6.145	10.100	103	827.2	785.8	198.9	326.6	24	41
MISSISSAUGA (CLARKSON)	109.104	75.547	129.330	69	20184.2	21820.8	14851.2	16683.2	73	76
MISSISSAUGA (LAKEVIEW)	284.125	249.863	576.600	87	85237.5	99443.7	55390.1	58485.9	64	58
SOUTHEASTERN										
BELLEVILLE	54.552	44.824	144.800	82	7091.7	9546.6	7186.7	4553.3	101	47
KINGSTON (T)	25.003	18.649	42.579	74	5950.7	5000.6	5384.8	4753.9	90	95
SIDNEY (BATAWA)	.568	1.230	2.290	216	124.9	142.0	87.6	86.5	70	60
TRENTON	15.911	11.737	38.520	73	3182.2	4773.3	2216.3	1730.2	69	36
NORTHEASTERN										
NORTH BAY	36.368	33.165	95.470	91	5455.2	7273.6	10750.9	14266.4	197	196
PARRY SOUND	6.591	5.136	18.470	77	1647.7	1318.2	745.5	511.5	45	38
SAULT STE.MARIE(WEST END)	18.184	9.106	33.000	50			1511.8	1326.1		
STURGEON FALLS	4.546	4.788	10.800	105	818.2	909.2	347.1	408.5	42	44

PLANT LOADING

PROJECT	<--- HYDRAULIC LOADING --->				<--- ORGANIC LOADING --->				<--->	
	DESIGN	AVG.	MAX.	AVG.	DESIGN	LOADING	ACTUAL	LOADING	ACTUAL	LOADING
	CAPACITY	FLOW	FLOW	FLOW %	KG/DAY		KG/DAY		% OF	DESIGN
	1000M3	1000M3	1000M3	DESIGN	BOD	SUSP.SOL	BOD	SUSP.SOL	BOD	SUSP.SOL
JAN/86-DEC/86										
MODIFIED ACTIVATED SLUDGE										
SOUTHEASTERN										
HAWKESBURY	12.274	10.566	23.486	86			767.3	929.8		
CONTACT STABILIZATION										
CENTRAL										
PORT MCNICOLL	1.045	1.071	2.965	102	177.6	209.0	128.5	133.6	72	63
SOUTHEASTERN										
FRANKFORD	1.363	1.270	4.800	93	231.7	272.6	149.5	104.9	64	38
NORTHEASTERN										
HAILEYBURY OLD	1.591	.933●	1.320	58	270.4	318.2	98.3	120.6	36	37
IROQUOIS FALLS	4.091	3.150●	9.210	76	634.1	654.5	162.9	182.1	25	27
KIRKLAND LAKE	13.638	11.926	37.200	87			684.7	874.0		
MOOSONEE (OLD TOWNSITE)	.509	.538	1.398	105	129.2	145.5	65.0	63.4	50	43
NORTHWESTERN										
LONGLAC	2.341	2.019	9.169	86	351.1	397.9	188.7	347.0	53	87

PLANT LOADING

PROJECT		<--- HYDRAULIC LOADING --->				<--- ORGANIC LOADING --->				<--->	
		DESIGN	AVG.	MAX.	AVG.	DESIGN	ACTUAL	DESIGN	ACTUAL	ACTUAL	LOADING
		CAPACITY	FLOW	FLOW	FLOW %	KG/DAY	KG/DAY	KG/DAY	KG/DAY	% OF	DESIGN
		1000M3	1000M3	1000M3	DESIGN	BOD	SUSP.SOL	BOD	SUSP.SOL	BOD	SUSP.SOL
JAN/86-DEC/86											
EXTENDED AERATION											
SOUTHWESTERN											
ALVINSTON		.600	.149	.507	24	84.6	126.0	19.1	23.2	22	18
BLYTH	**	.731	.350	1.248	47	146.2	146.2	58.5	81.5	40	55
BRUSSELS	**	.881	.420	1.981	47	176.2	176.2	76.4	120.7	43	68
DRESDEN		4.546	1.424	8.233	31	1200.1	991.0	271.6	459.2	22	46
DURHAM		2.182	.931	2.140	42	436.4	436.4	62.6	221.6	14	50
E.WILLIAMS (AILSA CRAIG)		.600	.365	.950	60	108.6	125.4	46.8	68.8	43	54
LOBO (KILWORTH HEIGHTS)		.263	.095	.250	36			7.8	37.0		
MAIDSTONE (BELLE RIVER)		6.819	6.867	12.994	100	2045.7	2045.7	524.7	647.2	25	31
MILDMAY		.968	.417	1.268	43	130.6	154.8	46.1	63.1	35	40
MOORE (CORUNNA)		4.546	2.108	4.424	46	681.9	681.9	272.4	247.6	39	36
MOORE (COURTRIGHT)		.681	.595	2.265	87	138.9	163.4	119.4	156.6	86	95
PETROLIA	**	3.182	1.575	11.406	49	540.9	636.4	313.2	176.5	57	27
PLYMPTON (WYOMING)	**	1.127	.467	.963	41	191.5	225.4	47.8	51.9	24	23
PORT BURWELL		.527	.250	3.370	47			35.3	36.9		
ROMNEY (WHEATLY)		2.750	.839	2.360	30			325.4	268.6		
THAMESVILLE		.818	.232	1.570	28	139.0	163.6	39.6	26.6	28	16
WESTMINSTER (SOUTHLAND)		.263	.112	.376	42			13.2	14.5		
WESTMINSTER (WESTMINSTER)		1.136	1.245	2.871	109	227.2	227.2	150.6	263.2	66	115
WEST-CENTRAL											
HALDIMAND (HAG.)		1.000	1.839	3.050	183			207.3	120.4		
NORTH DUMFRIES (AYR)		1.181	.393	.739	33			68.0	52.8		
PARIS		7.046	2.603	5.970	36	1409.2	1197.8	875.0	441.4	62	36
S DUMFRIES (ST GEORGE) **		1.063	.338	.634	31			44.3	35.9		
WELLESLEY		.500	.636	3.158	127	100.0	125.0	95.8	107.5	95	86
WILMOT (BADEN)		.922	.683	2.200	74	221.2	276.6	165.2	134.0	74	48
CENTRAL											
ALLISTON		3.500	3.061	4.867	87	542.5	700.0	533.6	410.6	98	58
BOBCAYGEON		3.054	.818	2.000	26	430.6	506.9	116.2	90.2	26	17
BRADFORD	**	6.819	3.794	6.885	55	1568.3	2898.0	759.1	1914.8	48	66
COLDWATER		.545	.497	1.018	91	92.6	109.0	59.3	61.7	64	56
ESSA (ANGUS)		3.395	.752	1.520	22	577.1	679.0	124.7	105.4	21	15
MILLBROOK		1.136	.903	2.892	79	227.2	284.0	83.7	69.8	36	24
SMITH (WOODLAND ACRES)		.363	.247	1.202	68			11.5	9.0		
VICTORIA HARBOUR	**	2.363	.631	1.241	26	472.6	472.6	54.1	52.0	11	11
WASAGA BEACH	**	5.773	1.152	3.075	19	1154.6	1154.6	105.5	73.4	9	6

PLANT LOADING

PROJECT	<--- HYDRAULIC LOADING --->				<--- ORGANIC LOADING --->				<--->	
	DESIGN	AVG.	MAX.	AVG.	DESIGN	LOADING	ACTUAL	LOADING	ACTUAL	LOADING
	CAPACITY	FLOW	FLOW	FLOW %	BOD	KG/DAY	BOD	KG/DAY	% OF	DESIGN
	1000M3	1000M3	1000M3	DESIGN		SUSP.SOL		SUSP.SOL	BOD	SUSP.SOL
JAN/86-DEC/86										
SOUTHEASTERN										
BARRY'S BAY	1.241	.362	.590	29	273.0	248.2	54.1	74.7	19	30
CHALK RIVER	.363	.415	.950	114			35.4	64.3		
DESERONTO	1.363	1.462	3.240	107	268.5	305.3	192.4	104.2	71	34
EGANVILLE	.763	.498	1.079	65	138.8	117.5	63.3	75.2	45	64
ERNESTOWN (ODESSA)	.909	.951	2.979	104			64.3	60.9		
HAGARTY & RICHARDS(KILL)	.590	.256	.500	43			41.6	56.2		
L'ORIGNAL	.954	.705	2.337	73	190.8	238.5	54.4	70.3	28	29
MARMORA	.868	.658	2.325	75	173.6	173.6	71.9	84.1	41	48
MERRICKVILLE	.500	.511	1.311	102	125.0	125.0	33.4	39.0	26	31
PITTSBURG (CANAN)	.095	.175	1.500	184	18.0	20.9	14.2	16.7	78	80
NORTHEASTERN										
BLACK R MATHESON(MATH)	1.045	.833	3.220	79			53.4	42.8		
BLIND RIVER	3.500	2.196	4.195	62			183.4	127.4		
HAILEYBURY NEW	1.609	1.815	3.710	112	273.5	321.8	206.9	242.4	75	75
HORNEPAYNE	1.363	.809	1.985	59			45.4	60.6		
KAPUSKASING	9.092	4.875	9.200	53			604.2	758.5		
LATCHFORD	.340	.328	.934	96	68.0	79.2	19.4	34.3	28	43
MOOSONEE (NORTH)	.250	.254	.488	101			12.0	25.8		
SMOOTH ROCK FALLS	1.636	3.150	4.350	192	245.4	245.4	148.8	128.1	60	52
NORTHWESTERN										
ATIKOKAN	4.082	2.514	8.689	61	893.9	816.4	104.9	193.3	15	23
EAR FALLS	2.863	1.286	1.962	44	801.6	887.5	93.8	239.5	11	26
GERALDTON	1.813	1.910	4.898	105	308.2	362.6	146.4	220.1	47	60
GOLDEN (BALMERTOWN)	1.227	1.078	2.970	87			78.8	92.3		
IGNACE	2.495	1.072	2.088	42	424.1	499.0	87.8	136.9	20	27
MARATHON	4.400	1.470	1.990	33	748.0	880.0	138.4	221.8	18	25
NAKINA	.500	.499	1.362	99	85.0	100.0	39.2	71.6	46	71
PICKLE LAKE	.909	.221	.457	24	154.5	181.8	4.6	7.2	3	4
RED LAKE	2.463	1.815	4.102	73	502.4	492.6	117.6	156.0	23	31
SCHREIBER	1.136	.841	1.534	74	193.1	227.2	108.4	186.8	56	82

PLANT LOADING

PROJECT	HYDRAULIC LOADING				ORGANIC LOADING				ACTUAL LOADING	
	DESIGN	AVG.	MAX.	AVG.	DESIGN	ACTUAL	LOADING	LOADING	ACTUAL	LOADING
	CAPACITY	FLOW	FLOW	FLOW %	BOD	SUSP.SOL	BOD	SUSP.SOL	% OF DESIGN	SUSP.SOL
	1000M3	1000M3	1000M3	DESIGN					BOD	
JAN/86-DEC/86										
HIGH RATE										
SOUTHWESTERN										
MEAFORD	3.909	3.591	8.388	91	1563.6	781.8	213.3	347.1	13	44
WEST-CENTRAL										
CAMBRIDGE (HESPELER)	9.319	5.467	18.010	58	2422.9	2003.5	573.4	1066.8	23	53
SOUTHEASTERN										
CARLETON PLACE	5.455	5.782	7.100	105	589.1	687.3	303.3	426.9	51	62
OXIDATION DITCH										
SOUTHWESTERN										
SOUTHAMPTON	3.045	1.204	2.443	39	517.6	609.0	96.7	142.5	18	23
WEST-CENTRAL										
GRAND VALLEY	.600	.457	2.000	76	91.8		52.8	62.7	57	
HALDIMAND (CAYUGA)	.909	.620	2.489	68			70.0	56.6		
SHELBURNE	2.045	1.505	6.300	73	409.0	409.0	204.8	291.0	50	71
WOOLWICH (ST.JACOBS)	.954	1.153	4.921	120	295.7	190.8	421.5	195.3	142	102
CENTRAL										
FENELON FALLS	1.000	.858	7.000	85	200.0	250.0	75.5	75.7	37	30
HASTINGS	1.059	.745	2.322	70	383.3	247.8	17.6	30.5	4	12
NORWOOD	.727	.463	1.135	63	145.4	181.7	23.1	15.1	15	8

PLANT PERFORMANCE

The arithmetic mean of the monthly values for BOD and SS concentrations for plant influent and effluent are shown together with the number of samples taken. These results include samples sent to the Ministry of the Environment laboratories as well as those analysed at the plants.

Averages marked with a dot (•) are based upon less than twelve months of data.

Projects marked with a triangle (Δ) are those which have started-up, have switched operating mode, or have changed operating authority during 1986.

Tertiary treatment facilities are highlighted with two asterisks (**).

Wastewater treatment plants are grouped together by Ministry Regions under treatment categories such as Primary, Conventional Secondary, etc.

PLANT PERFORMANCE

PROJECT	<--- BIOCHEMICAL OXYGEN DEMAND					---->--- SUSPENDED SOLIDS				
	PLANT INFLUENT		PLANT EFFLUENT		REDUCTION	PLANT INFLUENT		PLANT EFFLUENT		REDUCTION
	NO OF SAMPLES	AVG BOD MG/L	NO OF SAMPLES	AVG BOD MG/L	%	NO OF SAMPLES	AVG SS CONC MG/L	NO OF SAMPLES	AVG SS CONC MG/L	%
JAN/86-DEC/86										
PRIMARY										
SOUTHWESTERN										
OWEN SOUND	20	82	21	23.5	71	249	109	249	20.8	80
POINT EDWARD	12	115	12	54.8	52	12	375	12	32.8	91
WEST-CENTRAL										
NANTICOKE (PORT DOVER)	22	194	22	39.4	79	22	229	22	21.4	90
SOUTHEASTERN										
CORNWALL (CORNWALL)	22	65 ●	22	41.2 ●	36	47	110	47	25.3	76
PETAWAWA	54	116	53	67.2	42	56	145	55	59.6	58
PRESCOTT (EDWARDSBURGH)	22	49	22	19.3	61	23	157	23	22.2	85
NORTHEASTERN										
ESPANOLA	24	100	24	51.5	48	22	85	23	37.9	55
SAULT STE. MARIE	44	150	44	69.9	53	62	150	62	41.5	72
NORTHWESTERN										
FORT FRANCES	14	64	14	46.8	27	14	125	14	60.9	51

PLANT PERFORMANCE

PROJECT	<--- BIOCHEMICAL OXYGEN DEMAND					---><--- SUSPENDED SOLIDS				
	PLANT INFLUENT		PLANT EFFLUENT		REDUCTION	PLANT INFLUENT		PLANT EFFLUENT		REDUCTION
	NO OF SAMPLES	AVG BOD MG/L	NO OF SAMPLES	AVG BOD MG/L		NO OF SAMPLES	AVG SS CONC MG/L	NO OF SAMPLES	AVG SS CONC MG/L	
JAN/86-DEC/86										
CONVENTIONAL ACTIVATED SLUDGE										
SOUTHWESTERN										
INGERSOLL (NEW)	12	193 ●	16	11.9 ●	93	12	381 ●	16	13.6 ●	96
INGERSOLL (OLD)	12	191 ●	16	5.2 ●	97	12	375 ●	16	10.0 ●	97
ST MARYS	24	220	26	8.4	96	24	156	26	5.2	96
STEPHEN (HURON PARK)	23	119	23	12.8	89	23	130	23	8.8	93
STRATFORD **	24	102	20	16.7	83	24	131	21	4.3	96
TILLSONBURG	23	121	23	3.5	97	52	152	50	8.1	94
TUCKERSMITH (VAN ASTRA)	16	76 ●	16	3.5 ●	95	16	82 ●	16	8.1 ●	90
WALLACEBURG	51	107	49	16.9	84	244	173	244	14.2	91
WEST-CENTRAL										
BRANTFORD	99	199	97	12.1	93	253	226	254	10.3	95
CAMBRIDGE (GALT)	124	172	122	15.3	91	233	184	339	18.6	89
CAMBRIDGE (PRESTON)	50	616 ●	48	13.2 ●	97	303	535	303	24.1	95
DELHI	12	127	12	12.1	90	12	144	12	7.9	94
DUNNVILLE	25	269	24	18.6	93	199	201	212	27.6	86
FERGUS	20	98	21	9.3	90	18	94	269	20.2	78
HALDIMAND (CALEDONIA)	24	144	24	12.6	94	24	164	24	17.0	89
KITCHENER	93	232	110	12.0	94	255	234	272	5.1	97
ORANGEVILLE **	63	142	24	2.5	98	56	156	335	2.8	98
PALMERSTON	12	217	12	63.5	70	12	140	12	55.4	60
SIMCOE **	44	265	42	4.0	98	41	204	43	2.3	98
WATERLOO	90	202	90	6.7	96	246	405	246	9.3	97
WOOLWICH (ELMIRA)			35	6.0		35	6	247	18.4	205
CENTRAL										
CAMPBELLFORD	11	32 ●	12	5.1	84	55	53	56	4.9	90
MISSISSAUGA (CLARKSON)	71	196	216	12.6	93	71	220	216	9.1	95
MISSISSAUGA (LAKEVIEW)	319	221	293	16.4	92	258	234	306	14.0	94
SOUTHEASTERN										
BELLEVILLE	53	160	55	29.8	81	171	101	171	12.4	87
KINGSTON (T)	62	288	65	8.2	97	80	254	66	9.5	96
SIDNEY (BATAWA)	45	71	45	4.1	94	74	70	74	10.7	84
TRENTON	51	188	51	10.6	94	246	147	246	9.9	93
NORTHEASTERN										
NORTH BAY	37	324	37	15.7	95	191	430	189	20.4	95
PARRY SOUND	52	145	52	8.1	94	52	99	52	6.4	93
SAULT STE.MARIE(WEST END △)	42	166 ●	42	12.1 ●	92	46	145 ●	48	9.8 ●	93
STURGEON FALLS	23	72	24	7.0	90	74	85	70	6.8	91

PLANT PERFORMANCE

PROJECT	<--- BIOCHEMICAL OXYGEN DEMAND					---><--- SUSPENDED SOLIDS				
	PLANT INFLUENT		PLANT EFFLUENT		REDUCTION	PLANT INFLUENT		PLANT EFFLUENT		REDUCTION
	NO OF SAMPLES	AVG BOD MG/L	NO OF SAMPLES	AVG BOD MG/L		NO OF SAMPLES	AVG SS CONC MG/L	NO OF SAMPLES	AVG SS CONC MG/L	
JAN/86-DEC/86										
MODIFIED ACTIVATED SLUDGE										
SOUTHEASTERN										
HAWKESBURY	69	72	66	19.7	72	86	88	83	12.9	85
CONTACT STABILIZATION										
CENTRAL										
PORT MCNICOLL	12	120	12	14.0	88	12	124	12	14.1	88
SOUTHEASTERN										
FRANKFORD	45	117	45	7.1	93	108	82	108	19.0	76
NORTHEASTERN										
HAILEYBURY OLD	10	105 ●	10	34.3 ●	67	26	129 ●	28	36.9 ●	71
IROQUOIS FALLS	19	51 ●	20	12.7 ●	75	43	57 ●	43	9.4 ●	83
KIRKLAND LAKE	22	57	22	10.9	80	119	73	116	13.9	81
MOOSONEE (OLD TOWNSITE)	16	120 ●	16	24.9 ●	79	15	118 ●	15	24.5 ●	79
NORTHWESTERN										
LONGLAC	22	93	22	6.7	92	21	171	22	12.0	93

PLANT PERFORMANCE

PROJECT	<--- BIOCHEMICAL OXYGEN DEMAND					---><--- SUSPENDED SOLIDS					---->	
	PLANT INFLUENT		PLANT EFFLUENT		REDUCTION	PLANT INFLUENT		PLANT EFFLUENT		REDUCTION		
	NO OF SAMPLES	AVG BOD MG/L	NO OF SAMPLES	AVG BOD MG/L	%	NO OF SAMPLES	AVG SS CONC MG/L	NO OF SAMPLES	AVG SS CONC MG/L	%		
JAN/86-DEC/86												
EXTENDED AERATION												
SOUTHWESTERN												
ALVINSTON	9	128 ●	9	4.5 ●	96	9	155 ●	9	5.5 ●	96		
BLYTH **	24	167	26	3.8	97	25	233	26	2.1	99		
BRUSSELS **	24	182	24	3.2	98	24	287	24	3.2	98		
DRESDEN	33	190	32	8.4	95	63	322	63	36.6	88		
DURHAM	25	67	25	4.7	92	25	238	25	8.1	96		
E.WILLIAMS (AILS CRAIG)	23	128	23	5.0	96	23	188	23	15.0	92		
LOBO (KILWORTH HEIGHTS)	29	82	29	3.0 ●	96	29	389	29	8.3	97		
MAIDSTONE (BELLE RIVER)	46	76	42	6.6	91	127	94	128	14.8	84		
MILDMAY	23	110	24	3.1	97	23	151	24	7.3	95		
MOORE (CORUNNA)	14	129	14	7.6	94	14	117	14	9.8	91		
MOORE (COURTRIGHT)	14	200	14	16.6	91	14	263	14	19.1	92		
PETROLIA **	24	198	24	6.9	96	168	112	168	6.0	94		
PLYMPTON (WYOMING) **	24	102	34	7.8	92	168	111	158	5.7	94		
PORT BURWELL	20	141	20	6.5	95	20	147	16	8.9 ●	93		
ROMNEY (WHEATLY	24	387	22	4.1	98	138	320	143	8.4	97		
THAMESVILLE	8	171 ●	8	7.6 ●	95	8	114 ●	8	9.9 ●	91		
WESTMINSTER (SOUTHLAND)	26	118	26	4.4	96	26	129	26	4.5	96		
WESTMINSTER (WESTMINSTER	24	121	24	7.1	94	24	211	24	7.9	96		
WEST-CENTRAL												
HALDIMAND (HAG.)	24	112	24	6.5	94	22	65	22	8.5	87		
NORTH DUMFRIES (AYR)	11	173 ●	11	6.4 ●	96	11	134 ●	11	7.4 ●	94		
PARIS	12	336	12	8.7	97	12	169	12	6.6	96		
S DUMFRIES(ST GEORGE) **	12	131 ●	12	2.6 ●	97	12	106 ●	12	3.0 ●	97		
WELLESLEY	31	150	31	3.5	97	128	169	126	10.7	93		
WILMOT (BADEN)	25	242	23	3.3	98	25	196	23	5.7	97		
CENTRAL												
ALLISTON	13	174	13	9.6	94	13	134	13	10.5	92		
BOBCAYGEON	13	142	12	4.6	96	10	110 ●	12	8.0	92		
BRADFORD **	13	200	12	4.9	97	220	504	224	4.9	99		
COLDWATER	12	119	12	7.1	94	12	124	12	7.9	93		
ESSA (ANGUS)	13	165	13	5.9	96	13	140	13	7.7	94		
MILLBROOK	12	92	18	4.9	94	12	77	12	8.7	88		
SMITH (WOODLAND ACRES)	13	46	13	3.6	92	13	36	13	3.8	89		
VICTORIA HARBOUR **	15	85	16	2.0	97	18	82	19	1.7	97		
WASAGA BEACH **	12	91				12	63					

PLANT PERFORMANCE

PROJECT	<--- BIOCHEMICAL OXYGEN DEMAND					--->---> SUSPENDED SOLIDS				
	PLANT INFLUENT		PLANT EFFLUENT		REDUCTION	PLANT INFLUENT		PLANT EFFLUENT		REDUCTION
	NO OF SAMPLES	AVG BOD MG/L	NO OF SAMPLES	AVG BOD MG/L	%	NO OF SAMPLES	AVG SS CONC MG/L	NO OF SAMPLES	AVG SS CONC MG/L	%
JAN/86-DEC/86										
SOUTHEASTERN										
BARRY'S BAY	21	149	22	3.9	97	51	206	52	8.9	95
CHALK RIVER	44	85	44	15.9	81	63	154	63	22.9	85
DESERONTO	37	131	38	7.1	94	98	71	98	16.1	77
EGANVILLE	23	127	23	3.0	97	29	151	29	8.3	94
ERNESTOWN (ODESSA)	18	67	18	4.4	93	20	64	20	14.9	76
HAGARTY & RICHARDS(KILL)	22	162	22	4.4	97	52	219	52	7.4	96
L'ORIGNAL	52	77	50	25.9	66	59	99	62	14.5	85
MARMORA	14	109 ●	14	5.3 ●	95	14	127 ●	14	13.1 ●	89
MERRICKVILLE	45	65	45	21.5	66	45	76	45	49.6	35
PITTSBURG (CANA)	64	81	64	8.1	89	66	95	66	16.2	83
NORTHEASTERN										
BLACK R MATHESON(MATH)	22	64	22	6.7	89	17	51	19	8.4	83
BLIND RIVER	15	83 ●	12	5.6 ●	93	54	58	56	11.1	80
HAILEYBURY NEW	22	114 ●	22	17.0	85	59	133	58	29.3	78
HORNEPAYNE	19	56	18	2.3	95	24	74	23	10.5	85
KAPUSKASING	39	123	39	5.5	95	103	155	101	7.7	94
LATCHFORD	19	59 ●	19	7.9 ●	86	19	104 ●	68	19.3	81
MOOSONEE (NORTH)	19	47 ●	19	6.6 ●	86	18	101 ●	18	15.3 ●	84
SMOOTH ROCK FALLS	20	47 ●	20	3.0 ●	93	24	40 ●	28	5.2 ●	87
NORTHWESTERN										
ATIKOKAN	25	41	25	2.7	93	25	76	25	16.2	78
EAR FALLS	27	73	27	1.3	98	27	186	27	8.7	95
GERALDTON	23	76	24	3.2	95	24	115	24	5.2	95
GOLDEN (BALMERTOWN)	54	73	26	4.4	93	54	85	26	7.7	90
IGNACE	24	81	24	4.0	95	24	127	24	13.2	89
MARATHON	24	94	24	3.1	96	24	150	24	4.7	96
NAKINA	25	78	25	5.6	92	25	143	25	8.1	94
PICKLE LAKE	16	21	17	1.4	92	18	33	17	3.9	88
RED LAKE	24	64	22	4.1	93	24	86	22	9.4	89
SCHREIBER	23	128	30	21.8	83	23	222	30	22.9	89

PLANT PERFORMANCE

PROJECT	<--- BIOCHEMICAL OXYGEN DEMAND					---><--- SUSPENDED SOLIDS					--->	
	PLANT INFLUENT		PLANT EFFLUENT		REDUCTION	PLANT INFLUENT		PLANT EFFLUENT		REDUCTION		
	NO OF SAMPLES	AVG BOD MG/L	NO OF SAMPLES	AVG BOD MG/L		NO OF SAMPLES	AVG SS CONC MG/L	NO OF SAMPLES	AVG SS CONC MG/L			
JAN/86-DEC/86												
HIGH RATE												
SOUTHWESTERN												
MEAFORD	24	59	26	13.7	76	24	96	26	11.6	87		
WEST-CENTRAL												
CAMBRIDGE (HESPELER)	39	104	38	26.4	74	39	195	42	31.7	83		
SOUTHEASTERN												
CARLETON PLACE	17	52	15	20.8	60	17	73	15	43.2	41		
OXIDATION DITCH												
SOUTHWESTERN												
SOUTHAMPTON	23	80	24	5.2	93	52	118	24	7.3	93		
WEST-CENTRAL												
GRAND VALLEY	63	115	23	10.0	91	70	137	68	16.4	88		
HALDIMAND (CAYUGA)	24	112	24	3.1	97	21	91	21	5.0	94		
SHELBURNE	65	136	24	6.0	95	69	193	69	8.9	95		
WOOLWICH (ST.JACOBS)	24	365	23	9.5	97	139	169	132	23.5	86		
CENTRAL												
FENELON FALLS	12	88	14	8.6	90	12	88	12	8.8	89		
HASTINGS	11	23 ●	11	3.3 ●	85	11	41 ●	11	9.3 ●	77		
NORWOOD	10	49 ●	10	6.5 ●	86	10	32 ●	9	5.5 ●	82		

OTHER MACRO-NUTRIENTS

The arithmetic mean of the monthly values for total phosphorus, and nitrogen as free ammonia, total kjeldahl, nitrate and nitrite are shown for plant influent and effluent.

Phosphorus averages marked with a dot (•) are based upon less than twelve months of data.

Projects marked with a triangle (Δ) are those which have started-up, have switched operating mode, or have changed operating authority during 1986.

Tertiary treatment facilities are highlighted with two asterisks (**).

Wastewater treatment plants are grouped together by Ministry Regions under treatment categories such as Primary, Conventional Secondary, etc.

OTHER MACRO-NUTRIENTS

PROJECT	TOTAL PHOSPHORUS		AMMONIA		TOTAL KJELDAHL N		NITRATE		NITRITE	
	INFLUENT MG/L P	EFFLUENT MG/L P	INFLUENT MG/L N	EFFLUENT MG/L N	INFLUENT MG/L N	EFFLUENT MG/L N	INFLUENT MG/L N	EFFLUENT MG/L N	INFLUENT MG/L N	EFFLUENT MG/L N
JAN/86-DEC/86										
PRIMARY										
SOUTHWESTERN										
OWEN SOUND	3.6	.75		8.0	22	12.2		.84		.23
POINT EDWARD	17.6	1.44		13.2	26	19.4		.34		.05
WEST-CENTRAL										
NANTICOKE (PORT DOVER)	6.1	.83	21	13.3	38	20.2	.33	.52	.04	.10
SOUTHEASTERN										
CORNWALL (CORNWALL)	2.4	.97	7 ●	6.2 ●	15 ●	12.0	.30 ●	.20 ●	.05 ●	.04 ●
PETAUAWA	5.6	4.07			30 ●	30.4 ●				
PRESCOTT (EDWARDSBURGH)	3.7	.72			15	12.8				
NORTHEASTERN										
ESPANOLA	4.8	3.82		16.5	26	21.1				
SAULT STE.MARIE	4.9	3.41		19.1 ●	28 ●	24.9 ●				
NORTHWESTERN										
FORT FRANCES	3.2	2.75	14 ●	17.2 ●	20	17.7	.37 ●	.33 ●	.06 ●	.08 ●

OTHER MACRO-NUTRIENTS

PROJECT	TOTAL PHOSPHORUS		AMMONIA		TOTAL KJELDAHL N		NITRATE		NITRITE	
	INFLUENT MG/L P	EFFLUENT MG/L P	INFLUENT MG/L N	EFFLUENT MG/L N	INFLUENT MG/L N	EFFLUENT MG/L N	INFLUENT MG/L N	EFFLUENT MG/L N	INFLUENT MG/L N	EFFLUENT MG/L N
JAN/86-DEC/86										
CONVENTIONAL ACTIVATED SLUDGE										
SOUTHWESTERN										
INGERSOLL (NEW)	7.3 ●	.94 ●		3.9 ●	34 ●	5.1 ●		11.61 ●		1.27 ●
INGERSOLL (OLD)	7.6 ●	.80 ●		2.0 ●	34 ●	3.1 ●		11.68 ●		.73 ●
ST MARYS	5.4	.51		1.5	30 ●	3.0		7.45 ●		.48 ●
STEPHEN (HURON PARK)	2.9	1.41		2.6	15	4.7		4.15		.81
STRATFORD **	5.3	.51		8.8	27	10.1		2.76		2.81
TILLSONBURG	6.0	.73		1.6	32	2.2		12.76		.54
TUCKERSMITH (VAN ASTRA)	3.4 ●	.67 ●		.2 ●	20 ●	1.0 ●		13.71 ●		.06 ●
WALLACEBURG	4.1	.54		7.7	20	10.3 ●		2.56		1.22
WEST-CENTRAL										
BRANTFORD	6.1	.83		12.0	24	14.5			28.75	
CAMBRIDGE (GALT)	5.5	.76		10.5	24	18.3				
CAMBRIDGE (PRESTON)	5.7	.81		5.5 ●	43	8.0 ●				
DELHI	6.9	.28	27	4.4	39	7.4	3.47	11.52	1.04 ●	.65
DUNNVILLE	4.3	.79		1.3	19	4.3				
FERGUS	4.6	.58	19 ●	1.8	32	4.8	.23 ●	12.53 ●	.11 ●	.71 ●
HALDIMAND (CALEDONIA)	5.9	.56		6.2	32	8.8				
KITCHENER	6.5	.70		7.2	33 ●	8.1				
ORANGEVILLE **	6.9	.19		.3	33	.6		6.31		.13
PALMERSTON	6.7	3.68 ●	17 ●	12.6 ●	43	22.8 ●				
SIMCOE **	6.3	.77	14	.6	27	1.4				
WATERLOO	6.5	.88	15	5.1	32	26.3 ●				
WOOLWICH (ELMIRA)		1.36		4.5		3.5				
CENTRAL										
CAMPBELLFORD	2.0	1.03	6	.2	10	1.0	.42 ●	5.33 ●	.11 ●	.18 ●
MISSISSAUGA (CLARKSON)	8.5	.80	19	2.2	29	5.2	.30	11.40	.27	.85
MISSISSAUGA (LAKEVIEW)	7.1	.63	16	5.8	31	10.2	.13	11.35	.07	2.15
SOUTHEASTERN										
BELLEVILLE	3.6	.56	10 ●	5.7 ●	22 ●	9.3 ●	.27 ●	4.18 ●	.13 ●	1.09 ●
KINGSTON (T)	6.0	1.02	17 ●	2.7 ●	40	4.1	.88 ●	15.70 ●	.88 ●	.68 ●
SIDNEY (BATAWA)	2.5	.85			19	1.2 ●				
TRENTON	5.1	.33			23 ●	9.5 ●				
NORTHEASTERN										
NORTH BAY	12.3	.97								
PARRY SOUND	4.7	.82		.2 ●	27 ●	1.4 ●				
SAULT STE. MARIE (WEST END)	5.1 ●	1.03 ●	20 ●	9.1 ●	30 ●	16.5 ●				
STURGEON FALLS	3.4	.43	22	4.7	22	7.5			.01	.37 ●

OTHER MACRO-NUTRIENTS

PROJECT	TOTAL PHOSPHORUS		AMMONIA		TOTAL KJELDAHL N		NITRATE		NITRITE	
	INFLUENT MG/L P	EFFLUENT MG/L P	INFLUENT MG/L N	EFFLUENT MG/L N	INFLUENT MG/L N	EFFLUENT MG/L N	INFLUENT MG/L N	EFFLUENT MG/L N	INFLUENT MG/L N	EFFLUENT MG/L N
JAN/86-DEC/86										
MODIFIED ACTIVATED SLUDGE										
SOUTHEASTERN										
HAWKESBURY	3.8	.80	9 ●		14 ●	10.0 ●				
CONTACT STABILIZATION										
CENTRAL										
PORT MCNICOLL	5.2	.79	18	2.1	27	4.7	.70	8.70	.05	.72
SOUTHEASTERN										
FRANKFORD	3.9	.53			25 ●	13.2 ●				
NORTHEASTERN										
HAILEYBURY OLD	4.7 ●	2.89 ●	13 ●	8.2 ●	23 ●	14.7 ●	.10 ●		.01 ●	9.00 ●
IROQUOIS FALLS	3.0 ●	1.82 ●		.6 ●	20 ●	2.1 ●	3.35 ●	1.52 ●	33.50 ●	
KIRKLAND LAKE	3.3 ●	.84	1 ●	2.7 ●	18	5.2				
MOOSONEE (OLD TOWNSITE)	4.3 ●	1.25 ●	21 ●	1.3 ●	28 ●	4.2 ●				
NORTHWESTERN										
LONGLAC	5.4	.84	18	2.7	28	4.0	.43	5.71	.06	.18

OTHER MACRO-NUTRIENTS

PROJECT	TOTAL PHOSPHORUS		AMMONIA		TOTAL KJELDAHL N		NITRATE		NITRITE	
	INFLUENT	EFFLUENT	INFLUENT	EFFLUENT	INFLUENT	EFFLUENT	INFLUENT	EFFLUENT	INFLUENT	EFFLUENT
	MG/L P	MG/L P	MG/L N	MG/L N	MG/L N	MG/L N	MG/L N	MG/L N	MG/L N	MG/L N
JAN/86-DEC/86										
EXTENDED AERATION										
SOUTHWESTERN										
ALVINSTON	6.8 ●	1.49 ●		.6 ●	49 ●	1.7 ●		20.32 ●		.37 ●
BLYTH **	9.0	.28		2.0	44	2.8		12.13		.07
BRUSSELS **	12.1	.31	11 ●	.5	37	1.3	.20 ●	15.61	.01 ●	.06
DRESDEN	4.8	.41		.4	22	1.8		12.19		.56
DURHAM	4.4	.89	17	1.1	25	1.9	.34	16.05	.08	.33
E.WILLIAMS (AILSA CRAIG)	7.4	.99		1.9	37	3.1		18.06		.03
LOBO (KILWORTH HEIGHTS)	7.5	.54		.4	12	1.1		4.85		.11
MAIDSTONE (BELLE RIVER)	2.3	.76		6.9 ●	21 ●	1.6 ●		5.54 ●		.01 ●
MILDMAY	6.7	.69	27	.2	39	1.0	.38	21.37	.08	.04
MOORE (CORUNNA)	6.9	.62		5.9	37	8.4		10.61		.15
MOORE (COURTRIGHT)	9.3	1.33		8.9	57	10.8		6.53		.31
PETROLIA **	4.3	.46	20	4.1	34	6.0	.20	9.21	.20	.09
PLYMPTON (WYOMING) **	5.7	.57	26	13.2	38	15.8	.28	3.48	.05	.08
PORT BURWELL	7.7	.68	43 ●	14.7	57	16.8	7.01 ●	20.97		1.01
ROMNEY (WHEATLY)	13.8	1.03		1.0	58	2.8		26.15		.13
THAMESVILLE	6.6 ●	.31 ●		5.9 ●	36 ●	6.0 ●		13.25 ●		1.46 ●
WESTMINSTER (SOUTHLAND)	6.5	.85		1.1	24	1.6		17.13		.15
WESTMINSTER (WESTMINSTER)	5.4	.38		1.7	25	2.8		4.96		.19
WEST-CENTRAL										
HALDIMAND (HAG.)	4.3	.38		4.4	19	5.8				8.50 ●
NORTH DUMFRIES (AYR)	8.0 ●	.59 ●	43 ●	3.3 ●	53 ●	6.9 ●	8.15 ●			
PARIS	8.2	.55		9.9	55	13.7				
S DUMFRIES (ST GEORGE) **	6.3 ●	.40	39 ●	.2 ●	37 ●	1.1 ●				
WELLESLEY	5.7	.99	15 ●	.2 ●	34	6.7		22.11 ●		.05 ●
WILMOT (BADEN)	11.4	.95	21		32	.7	.30	14.08	.07	.02
CENTRAL										
ALLISTON	7.6	5.41	20	.7	32	2.0	.18	16.60	.03 ●	.96 ●
BOBCAYGEON	4.7	.33	15	1.7	22	2.9	.09 ●	6.91	.04 ●	.02 ●
BRADFORD **	7.6	.22	30 ●	.1	38	2.9	.10 ●	11.30 ●	.03 ●	2.27 ●
COLDWATER	5.4	2.83	20	.1	30	1.6	.12	12.46	.07	.07
—ESSA (ANGUS)	8.0	1.35	34	16.5	45	22.3	.37	4.36	.01	.27
HILLBROOK	4.4	.27	24	.2	31	1.4	.27	7.83	.04	.11
SMITH (WOODLAND ACRES)	2.6	1.67	7 ●	.2 ●	10 ●	1.0 ●	1.45 ●	10.90 ●	.92 ●	.14 ●
VICTORIA HARBOUR **	3.7	.22	16 ●	.2 ●	21	1.1	.42 ●	13.57 ●	.11 ●	.01 ●
WASAGA BEACH **	4.3		22		27		.22		.03 ●	

OTHER MACRO-NUTRIENTS

PROJECT	TOTAL PHOSPHORUS		AMMONIA		TOTAL KJELDAHL N		NITRATE		NITRITE	
	INFLUENT MG/L P	EFFLUENT MG/L P	INFLUENT MG/L N	EFFLUENT MG/L N	INFLUENT MG/L N	EFFLUENT MG/L N	INFLUENT MG/L N	EFFLUENT MG/L N	INFLUENT MG/L N	EFFLUENT MG/L N
JAN/86-DEC/86										
EXTENDED AERATION										
SOUTHEASTERN										
BARRY'S BAY	8.2	.43			41	2.5				
CHALK RIVER	5.0	1.95 ●	29 ●		34 ●	11.0 ●			33.00 ●	
DESERONTO	3.4	.45								
EGANVILLE	4.9	.74			37	2.0 ●				
ERNESTOWN (ODESSA)	3.3	1.30			20	2.0				
HAGARTY & RICHARDS(KILL)	8.6	.68			52	2.1				
L'ORIGNAL	4.8	3.72			37 ●	16.5 ●				
MARMORA	4.4	.53			33 ●	2.1 ●				
MERRICKVILLE	4.1	1.69			28	7.0				
PITTSBURG (CANA)	2.9	1.66			13	2.9				
NORTHEASTERN										
BLACK R MATHESON(MATH)	4.3	1.96	12 ●	.3 ●	20	1.7			13.20 ●	
BLIND RIVER	4.5 ●	2.30 ●		.2 ●	25 ●	1.5 ●				
HAILEYBURY NEW	5.8 ●	2.34	13 ●	1.5 ●	25 ●	3.9	.10 ●		11.25 ●	2.90 ●
HORNEPAYNE	6.7	2.48	24 ●	1.0 ●	28	3.4	.40 ●	10.00 ●	.05 ●	.05 ●
KAPUSKASING	4.4	3.11		1.4 ●	28 ●	4.4 ●	5.00 ●	2.25 ●		2.90 ●
LATCHFORD	3.5 ●	1.51 ●		.2 ●	14 ●	2.2 ●				
MOOSONEE (NORTH)	3.2 ●	.85 ●		.3 ●	24 ●	1.4 ●				
SMOOTH ROCK FALLS	2.2 ●	1.93 ●		1.2 ●	16 ●	1.0 ●			23.85 ●	
NORTHWESTERN										
ATIKOKAN	2.6	.87	13	1.6	20	2.7	.39	9.50	.07	.14
EAR FALLS	3.8	.52	16 ●	.6 ●	21	1.9	.46 ●	15.70 ●	.17 ●	.09 ●
GERALDTON	4.2	1.84	18 ●	.9 ●	26 ●	1.8 ●	.41 ●	9.56 ●	.07 ●	.06 ●
GOLDEN (BALMERTOWN)	4.3	2.40	13 ●	.5 ●	20	2.5	.41 ●	9.87 ●	.05 ●	.27 ●
IGNACE	4.9	.65	21	1.0	31	2.5	.57	11.74	.11	.14
MARATHON	6.2	3.52	28	1.0	39	2.6	.32	17.69	.12	.13
NAKINA	4.8	2.33	15 ●	1.1 ●	25	2.7	.46 ●	12.04 ●	.10 ●	.12 ●
PICKLE LAKE	.9	1.68	4	.5	6	2.2	.99	10.17	.07	.14
RED LAKE	3.5	1.51	15 ●	.8 ●	20	2.6	.34 ●	9.72 ●	.05 ●	.12 ●
SCHREIBER	5.5	2.57	27	4.8	39	8.1	.39	4.35	.07	.36

OTHER MACRO-NUTRIENTS

PROJECT	TOTAL PHOSPHORUS		AMMONIA		TOTAL KJELDAHL N		NITRATE		NITRITE	
	INFLUENT MG/L P	EFFLUENT MG/L P	INFLUENT MG/L N	EFFLUENT MG/L N	INFLUENT MG/L N	EFFLUENT MG/L N	INFLUENT MG/L N	EFFLUENT MG/L N	INFLUENT MG/L N	EFFLUENT MG/L N
JAN/86-DEC/86										
HIGH RATE										
SOUTHWESTERN										
MEAFORD	3.5	1.75		2.3	17	4.1		5.68		.74
WEST-CENTRAL										
CAMBRIDGE (HESPELER)	5.0	1.30		8.5	35	12.1				
SOUTHEASTERN										
CARLETON PLACE	3.0	1.82			17	11.6 ●				
OXIDATION DITCH										
SOUTHWESTERN										
SOUTHAMPTON	4.9	2.65		1.0	20	2.4		12.03		.10
WEST-CENTRAL										
GRAND VALLEY	5.8	.47		1.9	40	5.0		10.08		1.82 ●
HALDIMAND (CAYUGA)	5.8	.28		.4	37	1.0				
SHELBURNE	** 6.1	.53		1.4	33	3.0		11.78		.99
WOOLWICH (ST.JACOBS)	7.3	.98		2.6	28	4.3				
CENTRAL										
FENELON FALLS	5.1	.96	17	.3	26	1.4	1.16	13.85 ●	1.73 ●	.16 ●
HASTINGS	2.4 ●	.28 ●		.1 ●	9 ●	.8 ●	1.38 ●	.39 ●		
NORWOOD	2.9 ●	.78 ●		.4 ●	20 ●	1.0 ●	1.42 ●	1.16 ●		

CHEMICALS USED FOR PHOSPHORUS REMOVAL

The yearly average amount and dosage of the chemicals used for phosphorus removal are summarized in the following table.

Average Day Flow and phosphorus averages marked with a dot (*) are based upon less than twelve months of data.

Projects marked with a triangle (Δ) are those which have started-up, have switched operating mode, or have changed operating authority during 1986.

Tertiary treatment facilities are highlighted with two asterisks (**).

Wastewater treatment plants are grouped together by Ministry Regions

PHOSPHORUS REMOVAL SUMMARY

AVERAGE		< PHOSPHORUS ><--- REDUCTION --->			<----- ALUM ----->			<--- IRON --->		<--- POLYMER --->	
DAY FLOW	INFL	EFFL	PERCENT	10(3)	LIQUID	SOLID	DOSE	QUANTITY	DOSE	QUANTITY	DOSE
10(3)M(3)	MG/L	MG/L		KG/DAY	M(3)	M(3)	MG/L	KG	MG/L	KG	MG/L

JAN/86-DEC/86

SOUTHWESTERN

ALVINSTON	.149	6.8●	1.49●	78.0		.5		71.8			
BELLE RIVER	3.207	2.4									
BLYTH *	.350	9.0	0.28	96.8	.03	1.4		84.8			
BRUSSELS *	.420	12.1	0.31	97.4	.04	1.2		69.7			
DRESDEN	1.424●	4.8	0.41	91.4	.06					244.4	7.3
DURHAM	.931	4.4	0.89	79.7	.03	2.9		70.6			
E.WILLIAMS (AILSA CRAIG	.365	7.4	0.99	86.6	.02	1.9		120.1			
INGERSOLL (NEW)	5.681●	7.3●	0.94●	87.1	.36						
INGERSOLL (OLD)	2.187●	7.6●	0.80●	89.4	.14						
LOBO (KILWORTH HEIGHTS)	.095	7.5	0.54	92.8			115.3	61.9			
MAIDSTONE	3.654	2.2									
MAIDSTONE (BELLE RIVER)	6.867	2.3	0.76	66.9	.10	9.3		29.9			
MEAFORD	3.591	3.5	1.75	50.0	.06						
MILDMAY	.417	6.7	0.69	89.7	.02	1.5		82.5			
MOORE (CORUNNA)	2.108	6.9	0.62	91.0	.13	5.1		43.5			
MOORE (COURTRIGHT)	.595	9.3	1.33	85.6	.04			325.5	12.3		
OWEN SOUND	29.412	3.6	0.75	79.1	.83			7477.8	8.5		
PETROLIA *	1.575	4.3	0.46	89.3	.06	8.3		121.6			
PLYMPTON (WYOMING) *	.467	5.7	0.57	90.0	.02	4.8		232.1			
POINT EDWARD	2.650	17.6	1.44	91.8	.42			1448.6	17.9		
PORT BURWELL	.250	7.7	0.68	91.1	.01	1.1		183.6			
ROMNEY (WHEATLY	.839	13.8	1.03	92.5	.10	5.7		114.6			
SANDWICH SOUTH	1.377	4.8									
SOUTHAMPTON	1.204	4.9	2.65	45.9	.02						
ST CLAIR BEACH	1.886	5.1									
ST MARYS	3.860	5.4	0.51	90.5	.18	4.9		28.5			
STEPHEN (HURON PARK)	1.600	2.9	1.41	51.3	.02						
STRATFORD *	18.616	5.3	0.51	90.3	.89			5532.9	11.4		
TECUMSEH	4.219										
TECUMSEH-STCLAIR-SAND S	7.507	4.7									
THAMESVILLE	.232	6.6●	0.31●	95.3	.01	1.9		195.9			
TILLSONBURG	4.818	6.0	0.73	87.8	.25	13.6		60.5			
TUCKERSMITH (VAN ASTRA)	.630	3.4●	0.67●	80.2	.01	.4		31.9			
WALLACEBURG	8.222	4.1	0.54	86.8	.29			1560.3	6.4		
WESTMINSTER (SOUTHLAND)	.112	6.5	0.85	86.9			626.7	189.7			
WESTMINSTER (WESTMINSTE	1.245	5.4	0.38	92.9	.06						

PHOSPHORUS REMOVAL SUMMARY

	AVERAGE	< PHOSPHORUS	><--- REDUCTION --->	<----- ALUM ----->	<--- IRON --->	<--- POLYMER --->					
	DAY FLOW	INFL	EFFL	10(3)	LIQUID	SOLID	DOSE	QUANTITY	DOSE	QUANTITY	DOSE
	10(3)M(3)	MG/L	MG/L	PERCENT	M(3)	M(3)	MG/L	KG	MG/L	KG	MG/L
JAN/86-DEC/86											
WEST-CENTRAL											
BRANTFORD	52.516	6.1	0.83	86.3	2.76			13167.4	8.3		
CAMBRIDGE (GALT)	30.058	5.5	0.76	86.1	1.42			8820.3	9.8		
CAMBRIDGE (HESPELER)	5.467	5.0	1.30	74.0	.20			1628.5	10.2		
CAMBRIDGE (PRESTON)	8.891	5.7	0.81	85.7	.43			1323.1	5.0		
DELHI	2.163	6.9	0.28	95.9	.14			1123.7	16.9		
DUNNVILLE	5.223	4.3	0.79	81.6	.18			368.4	2.3		
FERGUS	4.439	4.6	0.58	87.3	.17			886.6	6.5		
GRAND VALLEY	.457	5.8	0.47	91.8	.02	819.2	70.0				
HALDIMAND (CALEDONIA)	2.286	5.9	0.56	90.5	.12			533.7	8.4		
HALDIMAND (CAYUGA)	.620	5.8	0.28	95.1	.03			289.0	16.1		
HALDIMAND (HAG.)	1.839	4.3	0.38	91.1	.07	564.2		553.5	9.6		
KITCHENER	63.482	6.5	0.70	89.2	3.68			18216.3	9.6		
NANTICOKE (PORT DOVER)	3.610	6.1	0.83	86.3	.19			2277.6	22.3		
NORTH DUMFRIES (AYR)	.393	8.0	0.59	92.6	.02			192.0	16.1		
ORANGEVILLE *	9.095	6.9	0.19	97.2	.61	15309.1	57.0				
PALMERSTON	2.790	6.7	3.68	45.0	.08						
PARIS	2.603	8.2	0.55	93.2	.19			1135.5	14.4		
S DUMFRIES (ST GEORGE) *	.338	6.3	0.40	93.6	.01			187.6	18.4		
SHELBURNE *	1.505	6.1	0.53	91.3	.08	3347.3	76.0				
SIMCOE *	9.232	6.3	0.77	87.7	.51			4845.4	17.5		
WATERLOO	45.931	6.5	0.88	86.4	2.58			7363.6	5.3		
WELLESLEY	.636	5.7	0.99	82.6	.02	1149.5	66.1				
WILMOT (BADEN)	.683	11.4	0.95	91.6	.07	3.9	128.4				
WOOLWICH (ELMIRA)	4.368		1.36					1559.9	12.0		
WOOLWICH (ELMIRA IND.)	.615	6.3									
WOOLWICH (ELMIRA TOWN)	3.761	9.7	1.35	86.0	.31						
WOOLWICH (ST.JACOBS)	1.153	7.3	0.98	86.5	.07	1547.2	47.8				
CENTRAL											
ALLISTON	3.061	7.6	5.41	28.8	.06						
BOBCAYGEON	.818	4.7	0.33	92.9	.03	4.8	131.8				
BRADFORD *	3.794	7.6	0.22	97.1	.27	10.0	57.3			74.9	.6
CAMPBELLFORD	6.145	2.0	1.03	48.5	.05						
COLDWATER	.497	5.4	2.83	47.5	.01						
ESSA (ANGUS)	.752	8.0	1.35	83.1	.05	3.2	97.6				
FENELON FALLS	.858	5.1	0.96	81.1	.03	.8	73.1	225.5	11.4		
HASTINGS	.745	2.4	0.28	88.3	.01		889.3	39.4	91.3	1.5	
MILLBROOK	.903	4.4	0.27	93.8	.03				143.9	.1	
MISSISSAUGA (CLARKSON)	75.547	8.5	0.80	90.5	5.81			30784.4	13.6		
MISSISSAUGA (LAKEVIEW)	249.863	7.1	0.63	91.1	16.16						
NORWOOD	.463	2.9	0.78	73.1		691.4	50.3				
PORT MCNICOLL	1.071	5.2	0.79	84.8	.04			407.4	9.5		
SMITH (WOODLAND ACRES)	.247	2.6	1.67	35.7							
VICTORIA HARBOUR *	.631	3.7	0.22	94.0	.02	1.8	64.9				
WASAGA BEACH *	1.152	4.3									

PHOSPHORUS REMOVAL SUMMARY

	AVERAGE	< PHOSPHORUS ><--- REDUCTION --->			<----- ALUM ----->			<--- IRON --->		<--- POLYMER --->	
DAY FLOW 10(3)M(3)	INFL MG/L	EFFL MG/L	PERCENT	10(3) KG/DAY	LIQUID M(3)	SOLID M(3)	DOSE MG/L	QUANTITY KG	DOSE MG/L	QUANTITY KG	DOSE MG/L
JAN/86-DEC/86											
SOUTHEASTERN											
BARRY'S BAY	.362	8.2	0.43	94.7	.02	2.8	39.6				
BELLEVILLE	44.824	3.6	0.56	84.4	1.36			11985.5	10.5		
CARLETON PLACE	5.782	3.0	1.82	39.3	.06			1188.5	7.2		
CHALK RIVER	.415	5.0	1.95●	61.0	.01						
CORNWALL (CORNWALL)	52.926	2.4	0.97	59.5	.75	138.9	61.0			303.6	.2
DESERONTO	1.462	3.4	0.45	86.7	.04	1.4	42.2				
EGANVILLE	.498	4.9	0.74	84.8	.02		1190.8	78.2			
ERNESTOWN (ODESSA)	.951	3.3	1.30	60.6	.01		583.3	25.5			
FRANKFORD	1.270	3.9	0.53	86.4	.04			474.1	12.7		
HAGARTY & RICHARDS(KILL)	.256	8.6	0.68	92.0	.02		394.4	53.0			
HAWKESBURY	10.566	3.8	0.80	78.9	.31	10.4	16.0				
KINGSTON (T)	18.649	6.0	1.02	83.0	.92	26.1	37.8				
L'ORIGNAL	.705	4.8	3.72	22.5							
MARMORA	.658	4.4	0.53	87.9	.02			2023.3	116.3		
MERRICKVILLE	.511	4.1	1.69	58.7	.01			421.2	34.1		
PETAWAWA	4.345	5.6	4.07	27.3	.06						
PITTSBURG (CANA)	.175	2.9	1.66	42.7							
PRESCOTT (EDWARDSBURGH)	5.242	3.7	0.72	80.5	.15			1585.8	10.2	32.8	.2
SIDNEY (BATAWA)	1.230	2.5	0.85	66.0	.02		140.1	4.2			
TRENTON	11.737	5.1	0.33	93.5	.55			4403.3	13.5		
NORTHEASTERN											
BLACK R MATHESON(MATH)	.833	4.3	1.96	54.4	.01						
BLIND RIVER	2.196	4.5●	2.30●	48.8	.04						
ESPANOLA	3.302	4.8	3.82	20.4	.03						
HAILEYBURY NEW	1.815	5.8●	2.34	59.6	.06						
HAILEYBURY OLD	.933●	4.7●	2.89●	38.5	.01						
HORNEPAYNE	.809	6.7	2.48	62.9	.03						
IROQUOIS FALLS	3.150●	3.0●	1.82●	39.3	.03						
KAPUSKASING	4.875	4.4	3.11	29.3	.06						
KIRKLAND LAKE	11.926	3.3●	0.84	74.5	.29			498.4	1.4		
LATCHFORD	.328	3.5●	1.51●	56.8							
MOOSONEE (NORTH)	.254	3.2●	0.85●	73.4							
MOOSONEE (OLD TOWNSITE)	.538	4.3●	1.25●	70.9	.01						
NORTH BAY	33.165	12.3	0.97	92.1	3.75			3218.6	3.5		
PARRY SOUND	5.136	4.7	0.82	82.5	.19			546.5	4.1		
SAULT STE.MARIE	41.755	4.9	3.41	30.4	.62						
SAULT STE.MARIE(WEST EN	9.106●	5.1●	1.03●	79.8	.37	10.7	41.1				
SMOOTH ROCK FALLS	3.150	2.2●	1.93●	12.2							
STURGEON FALLS	4.788	3.4	0.43	87.3	.14			616.9	4.4		

PHOSPHORUS REMOVAL SUMMARY

	AVERAGE	< PHOSPHORUS > <--- REDUCTION --->				<----- ALUM ----->			<--- IRON --->		<--- POLYMER --->	
DAY FLOW 10(3)M(3)	INFL MG/L	EFFL MG/L	PERCENT	10(3) KG/DAY	LIQUID M(3)	SOLID M(3)	DOSE MG/L	QUANTITY KG	DOSE MG/L	QUANTITY KG	DOSE MG/L	
JAN/86-DEC/86												
NORTHWESTERN												
ATIKOKAN	2.514	2.6	0.87	66.5	.04	20.5		133.8				
EAR FALLS	1.286	3.8	0.52	86.3	.04							
FORT FRANCES	7.083	3.2	2.75	14.0	.03							
GERALDTON	1.910	4.2	1.84	56.1	.04							
GOLDEN (BALMERTOWN)	1.078	4.3	2.40	44.1	.02							
IGNACE	1.072	4.9	0.65	86.7	.04	2.2		48.8				
LONGLAC	2.019	5.4	0.84	84.4	.09							
MARATHON	1.470	6.2	3.52	43.2	.03							
NAKINA	.499	4.8	2.33	51.4	.01							
PICKLE LAKE	.221	0.9	1.68									
RED LAKE	1.815	3.5	1.51	56.8	.03							
SCHREIBER	.841	5.5	2.57	53.2	.02							

AERATION PERFORMANCE

The following table displays aeration performance information. The arithmetic mean of the monthly values for the flow, BOD and SS concentrations entering the aeration section are provided. Also, the yearly mean of the MLSS concentrations and F/M ratios are given.

The wastewater treatment plants are grouped together by Ministry Regions under treatment categories such as Primary, Conventional Secondary, etc.

AERATION PERFORMANCE

PROJECT	AERATION INFLUENT			MLSS CONC. MG/L	F/M RATIO	SOLIDS RETN DAYS	<-- RETURN ACTIVATED SLUDGE -->			
	VOLUME AVG 1000M3	BOD MG/L	SS MG/L				SLUDGE VOLUME INDEX	TOTAL VOL 1000 M3	SS CONC. MG/L	% PLT FLOW TO AERATN
JAN/86-DEC/86										
CONVENTIONAL ACTIVATED SLUDGE										
SOUTHWESTERN										
INGERSOLL (NEW)	5.681	53	62	4246	.11		147.5		4970	
INGERSOLL (OLD)	2.187	84	126	2335	.09		325.7		5434	
ST MARYS	3.860	148	105	2429	.37		107.7	34.50	6509	78
STEPHEN (HURON PARK)	1.600	64	49	1157	.22	5.1	221.2	7.48	5556	47
STRATFORD	18.225	70	62	1843	.26	6.3	64.3	136.80	5329	66
TILLSONBURG	4.818	82	75	1326	.19	10.1	61.2	49.86	2713	87
TUCKERSMITH (VAN AST	.630	40	39	2799	.08	356.7	53.5	9.73	4361	
WALLACEBURG	8.221	87	81	1918	.47	6.9	89.0	38.57	7603	40
WEST-CENTRAL										
BRANTFORD										
BRANTFORD 1	31.800	153	119	3077	.24	5.6	120.3	52.20	9449	14
BRANTFORD 2	20.641	135	89	2912	.27	7.1	111.4	198.50	7915	82
CAMBRIDGE (GALT)	30.058	117	110	1480	.52	2.7	82.0	300.77	2894	85
CAMBRIDGE (PRESTON)	8.891	345	154	2159	.49		176.7	217.43	3382	210
DELHI	2.163	94	70	1634	.32		103.3	13.75	4098	57
DUNNVILLE	5.223	270	202	2842	.58		135.3	57.24	6249	98
FERGUS	4.439	89	69	1898	.35		70.8	13.29		26
HALDIMAND (CALEDONIA	2.103	82	73	807	.33					
KITCHENER										
KITCHENER (AER.1)	30.910	146	137	1504	.27	9.6	134.8	312.00	3503	86
KITCHENER (AER.2)	32.499	146	150	2079	.25	15.1	218.6	312.00	5495	85
ORANGEVILLE	9.095	142	157	2890	.09	10.3	74.6	72.59	6735	67
PALMERSTON		214	428							
SIMCOE										
SIMCOE (AER.A)	2.775			2619			109.7	27.93		80
SIMCOE (AER.B)	6.956	156	70	2758	.12		70.8	89.33		110
WATERLOO										
WATERLOO (AER.1)	24.185	99	98	2168	.16	8.2	234.5	164.54	5632	58
WATERLOO (AER.2)	22.513	79	75	2430	.13	5.3	228.3	231.68	7223	92
WOOLWICH (ELMIRA)										
CENTRAL										
CAMPBELLFORD	6.145	48	30	2312	.16		70.2	28.40	7686	39
MISSISSAUGA (CLARKSO	75.547	121	98	2479	.17	6.9	67.7	229.07	8667	25
MISSISSAUGA (LAKEVIE										

AERATION PERFORMANCE

PROJECT	AERATION INFLUENT			MLSS CONC. MG/L	F/H RATIO	SOLIDS RETN DAYS	SLUDGE VOLUME INDEX	<-- RETURN ACTIVATED SLUDGE -->		
	VOLUME AVG 1000M3	BOD MG/L	SS MG/L					TOTAL VOL 1000 M3	SS CONC. MG/L	% PLT FLOW TO AERATN
JAN/86-DEC/86										
CONVENTIONAL ACTIVATED SLUDGE										
SOUTHEASTERN										
BELLEVILLE	30.269	105	35	1968	.45	7.4	109.7	238.40	5693	60
KINGSTON (AER.B)	7.409	169	110	2919	.30		69.5		6172	
KINGSTON (AER.C)	11.385	160	91	2509	.20		86.8	155.46	4987	116
SIDNEY (BATAWA)	.972	30	24	2734	.06		64.5	3.00	9529	24
TRENTON	11.720	140	95	2596	.19		89.2	88.52	7520	65
NORTHEASTERN										
NORTH BAY	33.231	156	128	2080	.37		120.2	382.34	4404	95
PARRY SOUND	5.120	93	53	2740	.25		189.1	34.46	7293	67
SAULT STE.MARIE(WEST	9.109	89	47	2523	.09	16.0	61.7	51.49	6637	83
STURGEON FALLS	4.788	54	51	1615	.13		111.6	21.82	5586	38

AERATION PERFORMANCE

PROJECT	AERATION VOLUME AVG 1000M3	INFLUENT BOD MG/L	SS MG/L	MLSS CONC. MG/L	F/M RATIO	SOLIDS RETN DAYS	SLUDGE VOLUME INDEX	<-- RETURN TOTAL VOL 1000 M3	ACTIVATED SLUDGE SS CONC. MG/L	--> % PLT FLOW TO AERATN
JAN/86-DEC/86										
MODIFIED ACTIVATED SLUDGE										
SOUTHEASTERN										
HAWKESBURY	10.566	75	86	5080	.25		99.1	62.84	12486	51
CONTACT STABILIZATION										
CENTRAL										
PORT MCNICOLL	1.071	124	125	2738	.11	4.5	105.3	7.20	6077	59
SOUTHEASTERN										
FRANKFORD	1.260	118	83	2761	.15		82.4	3.22	5372	32
NORTHEASTERN										
HAILEYBURY OLD	.933	105	129	833			85.0	11.40		341
IROQUOIS FALLS										
IROQUOIS FALLS (AER.	1.592	49	55	3558	.03		100.6	32.34		196
IROQUOIS FALLS (AER.	1.592	49	56	3479	.02		116.1	29.90		182
KIRKLAND LAKE	11.926	57	73	1626			35.8	98.10	6136	73
MOOSONEE (OLD TOWNSI	.513	121	108	3221		100.0	128.3		4051	
NORTHWESTERN										
LOINGLAC										
LOINGLAC (AER.A)	.946	94	172	5506	.06		102.1		7744	
LOINGLAC (AER.B)	1.072	94	345	7975	.04		78.7		15552	

AERATION PERFORMANCE

PROJECT	AERATION INFLUENT		MLSS CONC. MG/L	F/M RATIO	SOLIDS RETN DAYS	SLUDGE VOLUME INDEX	<-- RETURN ACTIVATED SLUDGE -->			
	VOLUME AVG 1000M3	BOD MG/L					SS MG/L	TOTAL VOL 1000 M3	SS CONC. MG/L	% PLT FLOW TO AERATN
JAN/86-DEC/86										
EXTENDED AERATION										
SOUTHWESTERN										
ALVINSTON	.149	129	156	2006	.11			23546		
BLYTH	.351	167	233	4963	.06	85.2	2.16	15709		100
BRUSSELS	.420	182	288	4477	.06	94.3	2.40	17040		100
DRESDEN										
DRESDEN(AER.1)	.725	177	314	8485	.09	122.0				50
DRESDEN(AER.2)	.833	133	278	11018	.01	100.9				49
DURHAM	.931	67	238	6614	.01	93.8	13.82	10442		125
E.WILLIAMS (AILSA CR	.365	128	189	8564	.02	5.5		9736		100
LOBO (KILWORTH HEIGH	.095	83	388		.05			5513		100
MAIDSTONE (BELLE RIV	6.870	77	95	7324	.08	90.8	58.61	13370		72
MILDMAY	.417	111	151	4988	.02	77.2	2.40	11314		50
MOORE (CORUNNA)	2.787	129	118	3315	.19	55.1	45.02	4301		136
MOORE (COURTRIGHT)	.794	200	264	5019		88.9				
PETROLIA	1.570	199	113	8946	.03	91.9		17549		
PLYMPTON (WYOMING)	.464	102	111	5310	.05	122.4		7643		
PORT BURWELL	.258	144	150	1357	.08	43.3				
ROMNEY (WHEATLY	.839	388	320	8773	.08	38.9	20.07	13515		206
THAMESVILLE	.232	171	115	8513	.03	48.0		13958		
WESTMINSTER (SOUTHLA	.115	118	130		.04		32.58	5953		100
WESTMINSTER (WESTMIN	1.242	118	207	6327	.02	109.8	10.37	9332		100
WEST-CENTRAL										
HALDIMAND (HAG.)										
HALDIMAND (HAG.AER.1	.941	113	61	1332	.64		10.46			105
HALDIMAND (HAG.AER.2	.915	109	61	1431	.78		10.46			108
NORTH DUMFRIES (AYR)	.394	173	134	4806						
PARIS	2.603	336	170	3575	.02					
S DUMFRIES(ST GEORGE	.607	131	106	3925						
WELLESLEY	.617	151	169	6308	.04	36.5				
WILMOT (BADEN)	.683	242	196	5560	.05	56.0	10.44	7728		137
CENTRAL										
ALLISTON	3.061	174	167	2116	.21	8.9	33.46	3784		92
BOBCAYGEON	.815	151	110	3687	.05		63.7	12827		
BRADFORD	3.795	200	487	4781	.23	3.3	49.61	8618		109
COLDWATER	.496	119	124	2850	.05	8.5	79.6	4528		84
ESSA (ANGUS)	.751	166	140	2637	.07	17.1	11.51	5345		138
MILLBROOK	.868	87	77	3280	.29		7.52	14553		73
SMITH (WOODLAND ACRE	.247	46	37	2846	.02		3.36			120
VICTORIA HARBOUR	.631	86	82	4327	.03	21.5	7.68	9693		102
WASAGA BEACH	1.152	92	64	2166	.05	13.2	16.19	4615		127

AERATION PERFORMANCE

PROJECT	AERATION INFLUENT			MLSS CONC. MG/L	F/M RATIO	SOLIDS RETN DAYS	SLUDGE VOLUME INDEX	<-- RETURN TOTAL VOL 1000 M3	ACTIVATED SS CONC. MG/L	SLUDGE --> % PLT FLOW TO AERATN
	VOLUME AVG 1000M3	BOD MG/L	SS MG/L							
JAN/86-DEC/86										
EXTENDED AERATION										
SOUTHEASTERN										
BARRY'S BAY	.363	146	207	3339	.01	48.9	73.9			
CHALK RIVER	.414	85	152	5204	.07					
DESERONTO	1.459	132	72	5748	.05		120.1	2.48	7632	50
EGANVILLE	.503	127	151	3910					10494	
ERNESTOWN (ODESSA)	.951	68	64	4746	.02		194.3	2.75	7060	50
HAGARTY & RICHARDS(K	.257	162	213	3700	.04	33.6	70.5	.61	11503	23
L'ORIGNAL	.705	81	100	3075	.06		286.1		4041	
MARMORA	.658	109	128	5624					6691	
MERRICKVILLE	.525	65	77	2919			107.0			
PITTSBURG (CANAN)	.162	81	96	1543	2.94			6.00		102
									2167	
NORTHEASTERN										
BLACK R MATHESON(MAT	.833	64	51	3789	.02		133.4		6226	
BLIND RIVER	2.196	83	60	7060			108.3			
HAILEYBURY NEW	1.815	114	134	5339			94.2	4.12		100
HORNEPAYNE	.809	56	75	6616			134.0	56.82		297
KAPUSKASING	4.875	124	156	8637	.08			9.69	17832	100
LATCHFORD	.328	59	76					39.10		68
MOOSONEE (NORTH)	.254	46	621	4470			100.7	9.92		265
SMOOTH ROCK FALLS	1.758	47	45	2466	.05		358.5	2.99	5890	100
NORTHWESTERN										
ATIKOKAN										
ATIKOKAN (AER.1)	1.259	42	77	4833	.02	24.4	82.4	12.21	15199	95
ATIKOKAN (AER.2)	1.259	42	77	4968	.04	25.4	81.5	12.21	14207	94
EAR FALLS	1.282	73	186	5175	.02	1.0		7.73		50
GERALDTON	1.858	77	115	3526	.03	162.0	107.0	31.06	5960	160
GOLDEN (BALMERTOWN)	1.077	74	87	2430	.12		313.3	10.35		84
IGNACE										
IGNACE (AER.A)	.388	80	130	8020	.02	.9	72.0		10790	
IGNACE (AER.B)	1.040	82	128	3173	.03	1.3	64.0		5004	
MARATHON										
MARATHON (AER.A)	.745	95	155	2715	.05		164.3	2.42	5414	112
MARATHON (AER.B)	.747	92	147	3155	.05		172.7	3.09	5935	121
NAKINA	.499	79	144	3564	.07		70.3			
PICKLE LAKE	.222	21	33	2365			405.6		2588	
RED LAKE										
RED LAKE (AER.1)	2.654	66	87	2673	.09		140.4	11.97		118
RED LAKE (AER.2)	3.840	66	85	2875	.08		144.3	12.00		104
SCHREIBER	.788	129	164	3404	.14	1.1	214.0		4419	95

SLUDGE DIGESTION

In this table, the percentage of total solids and/or volatile solids found in the raw sludge, primary digester, secondary digester and in the hauled sludge are displayed. Also, the volumes for the raw sludge, hauled liquid or dewatered sludge and the supernatant are provided.

The wastewater treatment plants are grouped together by Ministry Regions under treatment categories such as Primary, Conventional Secondary, etc.

SLUDGE DIGESTION

PROJECT	<---- RAW VOLUME TO DIG TOT M3	SLUDGE TOTAL SOLIDS %	-----> VOLATILE SOLIDS %	<- PRIMARY DIGESTER ->			<-SEC DIGESTER->		SUPERNAT VOLUME M3 AVG	<--SLUDGE HAULED--> LIQUID + DEWATERED VOLUME T.S. M3 %	
				TOTAL SOLIDS %	VOLATILE SOLIDS %	VS REDN %	TOTAL SOLIDS %	VOLATILE SOLIDS %			
JAN/86-DEC/86											
PRIMARY											
SOUTHWESTERN											
OWEN SOUND	25496.4	3.37	2.01	3.31	1.79	54.03	5.87	2.90	49.3	6491.1	7.6
POINT EDWARD	2344.4	6.91	3.71	7.36	3.07	41.70			89789.8	1006.6	
WEST-CENTRAL											
NANTICOKE (PORT DOVER)										7146.0	
SOUTHEASTERN											
CORNWALL (CORNWALL)	51881.0	4.77	2.90	3.48	1.73	49.80	3.51	1.72	49.0	45759.0	3.6
PETAWAWA	4354.1	2.27	.94	1.26	.64	50.87	.30	.14	48.0	6.0	
PRESCOTT (EDWARDSBURGH)	5458.0	7.05		9.66					403.1	182.0	
NORTHEASTERN											
ESPANOLA	1517.7			3.13					125.4	252.5	9.9
SAULT STE.MARIE										D 6000.0	21.0
NORTHWESTERN											
FORT FRANCES	5021.0	4.01	2.16	4.99	2.57	51.57			321.7	1082.4	

D - Dewatered Sludge

ONTARIO MINISTRY OF THE ENVIRONMENT

UTILITY MONITORING INFORMATION SYSTEM

REPORT TYPE 025

SLUDGE DIGESTION

PROJECT	<---- RAW	SLUDGE	----->	<- PRIMARY DIGESTER ->			<-SEC DIGESTER->		SUPERNAT	<--SLUDGE HAULED-->	
	VOLUME TO DIG TOT M3	TOTAL SOLIDS %	VOLATILE SOLIDS %	TOTAL SOLIDS %	VOLATILE SOLIDS %	VS REDN %	TOTAL SOLIDS %	VOLATILE SOLIDS %	M3 AVG	LIQUID + VOLUME M3	DENATERED T.S. %
JAN/86-DEC/86											
CONVENTIONAL ACTIVATED SLUDGE											
SOUTHWESTERN											
INGERSOLL	18537.7	4.96	2.71	4.25	2.91	68.51	10.20	4.60	45.1	7811.0	10.1
ST MARYS	5658.0	3.48	2.56	2.16	1.44	66.77			282.1	6405.0	2.1
STEPHEN (HURON PARK)	1051.6	4.88	2.57	4.22	1.84	43.66			34.6	436.9	
STRATFORD **	15317.1	5.96	3.66				3.26	1.64	50.3	12916.3	3.6
TILLSONBURG	14600.0	3.08	2.00	1.90	1.04	54.75	3.64	1.91	52.6	6373.0	3.6
TUCKERSMITH (VAN ASTRA)	329.4								27.4		
WALLACEBURG	12858.4	4.80	2.75	2.99	1.49	49.93	3.69	1.77	47.9	1287.0	23.9
WEST-CENTRAL											
BRANTFORD	112099.7	4.48	3.19				4.12	2.55	61.9	76010.8	4.1
CAMBRIDGE (GALT)	46168.5	5.05	3.54				2.89	1.52	52.5	47725.0	2.9
CAMBRIDGE (PRESTON)	28475.2						2.36		64.3	26052.8	2.1
DELHI	4781.5									4437.5	
DUNNVILLE										2195.8	7.8
FERGUS	3699.0	5.57	3.24	4.85						3454.0	5.1
HALDIMAND (CALEDONIA)										4385.6	
KITCHENER	257271.0	3.99	2.87	2.67	1.41	52.91	2.75	1.49	54.1	164689.4	2.7
ORANGEVILLE **	23462.6	3.43	2.09	1.60	.86	53.92	2.81	1.47	52.5	11236.0	3.0
PALMERSTON										427.0	3.2
SINCOE **	37488.6	2.81	1.90	2.53	1.54	61.12	2.53	1.30	51.5	26144.0	
WATERLOO										58384.4	
WATERLOO (AER.1)	48465.2	4.26	2.92	2.50	1.35	53.97	3.36	1.96	58.2		3.3
WATERLOO (AER.2)	36171.6	3.89	2.57	3.06	1.78	58.37	4.00	2.09	52.1		4.0
WOOLWICH (ELMIRA)										2535.9	32.2
CENTRAL											
CAMPBELLFORD	3192.7	4.09	2.47	5.33	2.34	43.96			174.2	1101.7	5.4
MISSISSAUGA (CLARKSON)	117504.0	5.99	3.89	4.04	2.00	49.65	3.50	1.73	49.3	51000.0	3.4
SOUTHEASTERN											
BELLEVILLE	41188.0	4.58	2.94	2.17	1.21	55.72	5.29	3.00	56.7	22175.4	5.1
KINGSTON (T)	30076.3	3.31	2.35	2.16	1.32	61.14	3.65	2.16	59.0	4641.2	3.3
SIDNEY (BATAWA)	789.5								62.3	22.0	
TRENTON	34720.0	4.00	2.43	2.56	1.50	58.74	4.62	2.35	51.0	11220.0	4.6
NORTHEASTERN											
NORTH BAY	49503.2	3.79	2.77				2.63	1.68	64.0	D 5092.9	16.2
PARRY SOUND	6197.5	5.35	3.40	1.71	1.00	58.46	5.60	2.81	50.2	945.0	5.6
SAULT STE.MARIE(WEST END											36.5
STURGEON FALLS	7607.1	4.71	2.76	3.53	1.54	43.63			342.4	3432.0	3.6

D - Dewatered Sludge

SLUDGE DIGESTION

PROJECT	<---- RAW VOLUME TO DIG TOT M3	SLUDGE TOTAL SOLIDS %	<----> VOLATILE SOLIDS %	<- PRIMARY DIGESTER -> TOTAL SOLIDS VOLATILE SOLIDS VS REDN %			<-SEC DIGESTER-> TOTAL SOLIDS VOLATILE SOLIDS %		SUPERNAT VOLUME M3 AVG	<--SLUDGE HAULED--> LIQUID + DEWATERED VOLUME T.S. M3 %	
JAN/86-DEC/86											
MODIFIED ACTIVATED SLUDGE											
SOUTHEASTERN											
HAWKESBURY	2619.6			3.54	1.30	36.94				1440.0	
CONTACT STABILIZATION											
CENTRAL											
PORT MCNICOLL										655.2	4.0
SOUTHEASTERN											
FRANKFORD	741.0	.35		.73					110.5	854.5	2.2
NORTHEASTERN											
HAILEYBURY OLD	186.0			.04						1500.3	2.0
IROQUOIS FALLS									31.6		
IROQUOIS FALLS (AER.A)	777.6			2.19					37.9		
IROQUOIS FALLS (AER.B)	845.4			2.05					444.1	D 3975.6	
KIRKLAND LAKE				1.71	.96	56.14				5.0	
MOOSONEE (OLD TOWNSITE)				.48							
NORTHWESTERN											
LONGLAC										1872.2	4.7

D - Dewatered Sludge

SLUDGE DIGESTION

PROJECT		<--- RAW	SLUDGE	----->	<- PRIMARY DIGESTER ->		<-SEC DIGESTER->		SUPERNAT	<--SLUDGE HAULED-->		
		VOLUME TO DIG TOT M3	TOTAL SOLIDS %	VOLATILE SOLIDS %	TOTAL SOLIDS %	VOLATILE SOLIDS %	VS REDN %	TOTAL SOLIDS %	VOLATILE SOLIDS %	VOLUME M3 AVG	LIQUID + DEWATERED VOLUME M3	T.S. %
JAN/86-DEC/86												
EXTENDED AERATION												
SOUTHWESTERN												
BLYTH	**	50.0	1.28	.85	2.70	1.49	55.22				368.0	3.4
BRUSSELS	**	345.0	1.19	1.17	2.93	1.64	56.09				390.0	3.1
DRESDEN		6341.5	1.03	.42	3.75	1.45	38.83		806.8		2307.3	3.1
DURHAM		2644.1	1.26	.69	2.65	1.41	53.47		161.9		700.9	3.1
E.WILLIAMS (AILS CRAIG)		1201.5	1.06	.56	1.90	1.00	52.83		138.1		318.1	2.0
MAIDSTONE (BELLE RIVER)		7335.6	1.58	.89	2.73	1.57	57.48		453.4		4269.7	
MILDMAY		381.9	1.83	1.02	3.07	1.67	54.69		18.0		311.7	3.1
MOORE (CORUNNA)					4.87	3.16	65.05				4221.2	4.5
MOORE (COURTRIGHT)					5.87	3.27	55.81				659.6	4.8
PORT BURWELL			1.12	.64	2.21	1.08	48.94		234.1			
ROMNEY (WHEATLY		5257.0	1.45	.85	2.93	1.51	51.71		554.7		182.0	3.3
THAMESVILLE			3.18	1.52	5.74	2.81	49.03				238.0	6.1
WEST-CENTRAL												
HALDIMAND (HAG.)											4218.2	
NORTH DUMFRIES (AYR)											1348.2	
PARIS											10181.4	
S DUMFRIES(ST GEORGE) **											779.9	
WELLESLEY											513.4	5.0
WILMOT (BADEN)		2428.1	1.84		2.17		19.90				2331.7	2.1
CENTRAL												
ALLISTON											6660.9	2.3
BOBCAYGEON											1743.3	3.5
BRADFORD	**	29633.0	.85	.54	1.98	1.26	63.49				1584.0	2.7
COLDWATER											491.3	2.8
MILLBROOK											1444.8	2.1
VICTORIA HARBOUR	**										587.0	5.2
Z ANSON HINDON MINDEN **									126.0		757.5	
SOUTHEASTERN												
BARRY'S BAY											759.0	3.65
CHALK RIVER											394.5	1.82
DESERONTO					2.60				145.6			
EGANVILLE											1095.1	2.20
HAGARTY & RICHARDS(KILL)											1586.0	.60
MARMORA											538.6	

SLUDGE DIGESTION

PROJECT	<---- RAW VOLUME TO DIG TOT M3	SLUDGE TOTAL SOLIDS %	-----> VOLATILE SOLIDS %	<- PRIMARY DIGESTER -> TOTAL SOLIDS VOLATILE SOLIDS VS % % %			<-SEC DIGESTER-> TOTAL SOLIDS VOLATILE SOLIDS % %		SUPERNAT VOLUME M3 AVG	<--SLUDGE HAULED--> LIQUID + DEWATERED VOLUME T.S. M3 %	
JAN/86-DEC/86											
EXTENDED AERATION											
NORTHEASTERN											
BLACK R MATHESON(MATH)	409.8			.70					192.0	292.9	.7
BLIND RIVER									281.6	1128.0	
HAILEYBURY NEW	2412.5	1.09	1.34	1.85					582.1	601.0	2.6
HORNEPAYNE										562.9	
KAPUSKASING	8432.6			1.83					495.4	4132.1	2.9
MOOSONEE (NORTH)										5.0	
SMOOTH ROCK FALLS										.5	
NORTHWESTERN											
ATIKOKAN	5857.4	1.74	.94	3.08	1.71	55.48			213.8	1927.3	3.1
EAR FALLS	18089.0								159.3	878.5	
GERALDTON										2322.7	2.1
GOLDEN (BALMERTOWN)	1479.0			1.89	1.46	77.37			52.8	1548.3	
IGNACE										1386.0	
MARATHON	5125.0								257.3	3142.0	2.0
NAKINA										772.7	
PICKLE LAKE										54.0	
RED LAKE	3178.0			1.08					137.1	2234.2	.5
SCHREIBER										2454.2	

ONTARIO MINISTRY OF THE ENVIRONMENT

UTILITY MONITORING INFORMATION SYSTEM

REPORT TYPE 025

SLUDGE DIGESTION

PROJECT	<---- RAW	SLUDGE	----->	<- PRIMARY DIGESTER ->			<-SEC DIGESTER->		SUPERNAT	<--SLUDGE HAULED-->	
	VOLUME TO DIG TOT M3	TOTAL SOLIDS %	VOLATILE SOLIDS %	TOTAL SOLIDS %	VOLATILE SOLIDS %	VS REDN %	TOTAL SOLIDS %	VOLATILE SOLIDS %	VOLUME M3 M3 AVG	LIQUID + DEWATERED VOLUME M3	T.S. %
JAN/86-DEC/86											
HIGH RATE											
SOUTHWESTERN											
MEAFORD	25204.0	1.44	1.01	4.71	2.71	57.54			2161.3	1244.5	4.4
WEST-CENTRAL											
CAMBRIDGE (HESPELER)										18036.1	
OXIDATION DITCH											
SOUTHWESTERN											
SOUTHAMPTON	1009.0	1.07	.76	1.54	1.02	66.06				869.0	1.7
WEST-CENTRAL											
GRAND VALLEY	3911.0			1.40	.82	59.07			247.9	1160.0	1.3
HALDIMAND (CAYUGA)										1125.0	
SHELBURNE	** 6194.0			2.82	1.37	48.85			288.4	2848.0	2.5
WOOLWICH (ST.JACOBS)										5202.8	2.5
CENTRAL											
FENELON FALLS										1347.3	2.8

HAULED SLUDGE CHARACTERISTICS

The arithmetic mean of the monthly values for the hauled sludge characteristics are shown in this table. These characteristics include heavy metal, phosphorus and nitrogen concentrations.

The wastewater treatment plants are grouped together by Ministry Regions under treatment categories such as Primary, Conventional Secondary, etc.

HAULED SLUDGE CHARACTERISTICS

PROJECT	ZINC MG/L	COPPER MG/L	NICKEL MG/L	LEAD MG/L	CADMIUM MG/L	TOTAL P. MG/L	IRON MG/L	NITRITES MG/L	NITRATES MG/L	COBALT MG/L
JAN/86-DEC/86										
PRIMARY										
SOUTHWESTERN										
POINT EDWARD	42.28	37.57	2.48	9.62	1.10	2509.16			1.46	.48
SOUTHEASTERN										
CORNWALL (CORNWALL)	13.50	8.96	.93	5.86	.12	1068.00		1.60	16.00	.11
PETAWAWA						80.00		1.00	10.00	
PRESCOTT (EDWARDSBURGH)	48.30	62.50	1.39	11.45	.66	2154.00		2.00	18.00	.46

PROJECT	MERCURY MG/L	MOLYBDENUM MG/L	ARSENIC MG/L	PH	CHROMIUM MG/L	ALUMINIUM MG/L	AMMONIA MG/L	T. KJELDL MG/L	ALKALINITY MG/L	POTASSIUM
JAN/86-DEC/86										
SOUTHWESTERN										
POINT EDWARD		1.12	.59	7.18	5.55		413.83	26.14	2177.50	
SOUTHEASTERN										
CORNWALL (CORNWALL)		.28	.20		1.65		356.00	1440.00		
PETAWAWA				5.30			185.00	400.00	395.00	
PRESCOTT (EDWARDSBURGH)		1.16	.70		7.82		293.50	1685.00		

HAULED SLUDGE CHARACTERISTICS

PROJECT	ZINC MG/L	COPPER MG/L	NICKEL MG/L	LEAD	CADMIUM MG/L	TOTAL P. MG/L	IRON MG/L	NITRITES MG/L	NITRATES MG/L	COBALT MG/L
JAN/86-DEC/86										
CONVENTIONAL ACTIVATED SLUDGE										
SOUTHWESTERN										
INGERSOLL	397.50	72.00	12.07	7.78	1.04	2481.25			.96	.83
ST MARYS	16.10	16.60	.42	2.20	.12	1020.00			.55	.10
STRATFORD **	74.85	67.71	15.88	7.38	.22	602.85			1.15	.10
WEST-CENTRAL										
BRANTFORD	66.25	46.00	3.15	11.25	.46	727.25			1.68	.10
CAMBRIDGE (GALT)	42.25	42.32	7.27	4.45	1.82	1468.16				.10
CAMBRIDGE (PRESTON)	26.44	14.73	.85	81.13	2.50	843.33				.13
DELHI	12.58	29.98	.54	2.90	.18	925.72			40.60	.18
DUNNVILLE	41.00	28.25	1.33	185.00	.12	1895.00			1.05	.11
FERGUS	159.56	74.55	5.21	5.15	.40	1481.91		.45	3.38	.46
HALDIMAND (CALEDONIA)	26.00	31.58	1.69	2.52	.14	910.58			1.55	.10
KITCHENER	35.77	18.75	2.31	4.47	.10	1024.60			3.51	.09
ORANGEVILLE **	20.05	14.48	1.54	4.86	.12	1214.16		.13	1.50	.11
PALMERSTON	5.00	4.70	.30	1.40	.05	365.00			1.00	.16
SIMCOE **	152.64	26.90	.67	9.86	.13	842.08			1.80	.12
WATERLOO	22.41	38.75	2.12	5.59	.11	1072.72				.22
CENTRAL										
CAMPBELLFORD	31.75	29.33	.87	20.50	.19	722.77				.16
MISSISSAUGA (CLARKSON)	37.32	21.37	1.14	31.01	1.98	2239.22		1.11	3.24	2.00
SOUTHEASTERN										
BELLEVILLE	24.63	85.97	1.61	26.81	.26	1464.54		2.90	18.18	.21
KINGSTON (T)	22.83	19.50	.89	6.35	.20	1582.50		2.00	24.37	.13
TRENTON	46.00	65.00	3.18	7.50	.45	2106.00		2.20	19.00	.40
NORTHEASTERN										
STURGEON FALLS	19.00	53.28	2.15	7.40	.28	1312.75				.35

HAULED SLUDGE CHARACTERISTICS

PROJECT	MERCURY MG/L	MOLYBDENUM MG/L	ARSENIC MG/L	PH	CHROMIUM MG/L	ALUMINIUM MG/L	AMMONIA MG/L	T. KJELDL MG/L	ALKALINITY MG/L	POTASSIUM
JAN/86-DEC/86										
CONVENTIONAL ACTIVATED SLUDGE										
SOUTHWESTERN										
INGERSOLL		9.22	3.38	7.32	74.75		743.62		2453.50	
ST MARYS		.26	.08	7.40	.93		712.50		2970.00	
STRATFORD	**	.80	.21	7.64	4.60		1072.50		4231.42	
WEST-CENTRAL										
BRANTFORD		.41	.23	7.12	12.47		743.00		3033.75	
CAMBRIDGE (GALT)		.36	.29		14.12		842.62			
CAMBRIDGE (PRESTON)		.33	.14		23.24		1143.18			
DELHI		.51	.16		4.02		40.80			
DUNNVILLE		.33	.46		7.32		512.00			
FERGUS		.86	.31	7.70	3.32		882.16			
HALDIMAND (CALEDONIA)		.27	.18		1.24		172.25			
KITCHENER		.27	.14		17.71		935.09			
ORANGEVILLE	**	.29	.22	6.81	3.79		349.50			
PALMERSTON		.25	.06		.15		181.00			
SIMCOE	**	.27	.20	7.61	11.93		735.45		3243.10	
WATERLOO		.34	.59		11.49		815.08	2211.36		
CENTRAL										
CAMPBELLFORD		.25	.20	7.02	2.70		383.33	1642.85	1921.25	
MISSISSAUGA (CLARKSON)		.28	4.62	7.70	19.16		1165.50	2382.30	5363.33	
SOUTHEASTERN										
BELLEVILLE		.44	.57	6.94	15.55		574.00	1975.00	6266.25	
KINGSTON (T)		.25	.13	7.60	4.01		611.87	2456.25		
TRENTON		1.03	.22		4.01		1092.00	3260.00		
NORTHEASTERN										
STURGEON FALLS		.90	.19	7.19	3.70		745.63	1547.00		

HAULED SLUDGE CHARACTERISTICS

PROJECT	ZINC MG/L	COPPER MG/L	NICKEL MG/L	LEAD	CADMIUM MG/L	TOTAL P. MG/L	IRON MG/L	NITRITES MG/L	NITRATES MG/L	COBALT MG/L
JAN/86-DEC/86										
CONTACT STABILIZATION										
CENTRAL										
PORT MCNICOLL	13.15	22.48	.30	2.22	.13	1913.33			1.26	.10
NORTHEASTERN										
HAILEYBURY OLD	.40	.10	.06	.20	.01	216.00			6.00	.02
IROQUOIS FALLS	13.33	30.46	.89	6.96	.22	1051.40		102.50	2.05	.11
KIRKLAND LAKE	11.50	23.00	.39	2.78	.07	755.25			103.80	.10

PROJECT	MERCURY MG/L	MOLYBDENUM MG/L	ARSENIC MG/L	PH	CHROMIUM MG/L	ALUMINIUM MG/L	AMMONIA MG/L	T. KJELDL MG/L	ALKALINITY MG/L	POTASSIUM
JAN/86-DEC/86										
CENTRAL										
PORT MCNICOLL		.29	.13		1.51		288.44			
NORTHEASTERN										
HAILEYBURY OLD		.05	.03		.03		10.90			
IROQUOIS FALLS		.17	.16		1.97		92.89	421.00		
KIRKLAND LAKE		.25	.20		.92		186.25			

HAULED SLUDGE CHARACTERISTICS

PROJECT	ZINC MG/L	COPPER MG/L	NICKEL MG/L	LEAD	CADMIUM MG/L	TOTAL P. MG/L	IRON MG/L	NITRITES MG/L	NITRATES MG/L	COBALT MG/L
JAN/86-DEC/86										
HIGH RATE										
SOUTHWESTERN										
MEAFORD	41.07	49.71	1.49	6.18	.12	710.00			2.04	.14
WEST-CENTRAL										
CAMBRIDGE (HESPELER)	39.27	17.60	11.55	2.07	.19	407.60			.37	.10

PROJECT	MERCURY MG/L	MOLYBDENUM MG/L	ARSENIC MG/L	PH	CHROMIUM MG/L	ALUMINIUM MG/L	AMMONIA MG/L	T. KJELDL MG/L	ALKALINITY MG/L	POTASSIUM
JAN/86-DEC/86										
SOUTHWESTERN										
MEAFORD		.29	.16		7.08		10.25			
WEST-CENTRAL										
CAMBRIDGE (HESPELER)		.25	.11		13.76		130.61	438.25		

HAULED SLUDGE CHARACTERISTICS

PROJECT	ZINC MG/L	COPPER MG/L	NICKEL MG/L	LEAD	CADMIUM MG/L	TOTAL P. MG/L	IRON MG/L	NITRITES MG/L	NITRATES MG/L	COBALT MG/L
JAN/86-DEC/86										
EXTENDED AERATION										
SOUTHWESTERN										
DRESDEN	8.90	3.00	.87	1.90	.05	400.00			20.60	.10
DURHAM	18.33	18.33	1.17	4.15	.14	1323.33			2.30	.10
MAIDSTONE (BELLE RIVER)	19.16	19.16	.92	2.73	.19	875.33			139.55	.11
MILDMAY	26.40	18.40	.44	3.22	.12	978.40			44.66	.10
MOORE (CORUNNA)	13.70	12.13	.57	3.15	.63					.10
MOORE (COURTRIGHT)	10.60	13.16	.38	2.22	.11					.10
ROMNEY (WHEATLY)						1690.00			210.00	
WEST-CENTRAL										
HALDIMAND (HAG.)	6.30	11.11	.31	1.45	.15	610.10			1.53	.10
NORTH DUMFRIES (AYR)	10.66	11.10	.83	2.52	.43	1090.60			1.00	.10
PARIS	13.78	14.75	.58	1.42	.13	763.12			.69	.10
S DUMFRIES(ST GEORGE) **	15.14	18.96	.33	1.94	.09	1182.00		106.00	.79	.11
WELLESLEY	25.77	17.00	.50	3.26	.09	1590.55			.68	.11
WILMOT (BADEN)	7.76	4.70	.41	1.28	.06	887.83		.40	4.69	.08
CENTRAL										
ALLISTON	15.81	15.36	.96	4.38	.32	375.50			1.07	.28
BOBCAYGEON	12.07	15.39	.61	2.57	.16	1158.81			.54	.18
COLDWATER	16.97	20.71	.88	2.44	.20	547.40		.10	1.18	.10
MILLBROOK	7.63	4.43	.30	1.44	.11	578.75			.59	.10
VICTORIA HARBOUR **	40.75	28.00	1.49	5.68	.25	1975.00			52.70	.42
SOUTHEASTERN										
BARRY'S BAY	20.00	21.00	.52	4.10	.11	1400.00		1.00	10.00	.10
CHALK RIVER	3.20	5.45	.30	1.10	.05	460.00		1.66	16.66	.11
ERNESTOWN (ODESSA)	9.10	9.10	.32	2.02	.07	483.33		1.70	17.00	.11
HAGARTY & RICHARDS(KILL)	5.70	3.90	.30	1.20	.05	250.00		1.00	10.00	.10
MARMORA	13.72	27.45	.33	2.25	.11	1119.50		2.33	83.33	.10
NORTHEASTERN										
BLACK R MATHESON(MATH)	4.20	4.27	.21	.42	.03	162.81		.50	2.09	.06
BLIND RIVER	12.80	7.48	.51	2.38	.10	503.40			17.40	.26
HAILEYBURY NEW	14.81	5.70	.58	3.80	.10	517.60		1.30	4.23	.23
SMOOTH ROCK FALLS	5.04	4.24	.32	1.31	.07	222.05			60.66	.12
NORTHWESTERN										
ATIKOKAN										

HAULED SLUDGE CHARACTERISTICS

PROJECT	MERCURY MG/L	MOLYBDENUM MG/L	ARSENIC MG/L	PH	CHROMIUM MG/L	ALUMINIUM MG/L	AMMONIA MG/L	T. KJELDL MG/L	ALKALINITY MG/L	POTASSIUM
JAN/86-DEC/86										
EXTENDED AERATION										
SOUTHWESTERN										
DRESDEN		.25	.25		1.70		3.00			
DURHAM		.26	.09		2.53		7.50			
MAIDSTONE (BELLE RIVER)		.34	.38		2.46		25.00			
MILDMAY		.29	.13	7.80	2.62		12.62			
MOORE (CORUNNA)		.29	.19		2.76					
MOORE (COURTRIGHT)		.25	.25		2.64					
ROMNEY (WHEATLY)								11.00		
WEST-CENTRAL										
HALDIMAND (HAG.)		.26	.13		1.49		191.30			
NORTH DUMFRIES (AYR)		.29	2.31		1.48		189.80	225.00		
PARIS		.39	.13		5.24		158.98			
S DUMFRIES (ST GEORGE) **		.26	.15		3.26		109.20			
WELLESLEY		.32	.59		2.27		218.11			
WILMOT (BADEN)		.22	.14		.57		81.83			
CENTRAL										
ALLISTON		.64	.07		1.63		408.16			
BOBCAYGEON		.46	.12		.61		165.30			
COLDWATER		.29	.09		1.20		310.11			
MILLBROOK		.29	.21		3.41		233.93			
VICTORIA HARBOUR **		.25	.29		3.45		29.67			
SOUTHEASTERN										
BARRY'S BAY		.25	.08		1.50		135.00	2000.00		
CHALK RIVER		.25	.03	6.33	.31		65.00	833.33		
ERNESTOWN (ODESSA)		.25	.06		.15		136.66	775.00		
HAGARTY & RICHARDS (KILL)		.25	.05	7.00	.24		20.00	450.00		
MARMORA		.26	.27		1.23		143.33	1220.66		
NORTHEASTERN										
BLACK R MATHESON (MATH)		.15	.04		.17		16.33	252.50		
BLIND RIVER		.27	.08		.24		20.41	67.00		
HAILEYBURY NEW		.23	.53		1.25		22.55	31.00	962.00	
SMOOTH ROCK FALLS		.25	.05		.24		11.63			
NORTHWESTERN										
ATIKOKAN				6.40						

ONTARIO MINISTRY OF THE ENVIRONMENT

UTILITY MONITORING INFORMATION SYSTEM

REPORT TYPE 027

HAULED SLUDGE CHARACTERISTICS

PROJECT	ZINC MG/L	COPPER MG/L	NICKEL MG/L	LEAD	CADMIUM MG/L	TOTAL P. MG/L	IRON MG/L	NITRITES MG/L	NITRATES MG/L	COBALT MG/L
JAN/86-DEC/86										
OXIDATION DITCH										
SOUTHWESTERN										
SOUTHAMPTON	13.60	17.48	.36	3.58	.07	417.14			7.76	.14
WEST-CENTRAL										
GRAND VALLEY	11.80	6.22	1.89	1.56	.06	638.22			.26	.10
HALDIMAND (CAYUGA)	12.42	10.06	.39	2.92	.13	817.60			1.46	.10
SHELBURNE	9.98	6.11	.37	2.61	.09	830.50			.38	.10
WOOLWICH (ST.JACOBS)	6.90	8.30	.37	1.39	16.71	1342.00			3.04	.10
CENTRAL										
FENELON FALLS	13.47	28.58	.34	2.95	.10	945.90			1.03	.11
HASTINGS	30.50	84.00	.68	5.50	.11	255.00			.30	5.05
NORWOOD	21.66	85.66	.49	3.53	.26	1700.00			.20	.10

PROJECT	MERCURY MG/L	MOLYBDENUM MG/L	ARSENIC MG/L	PH	CHROMIUM MG/L	ALUMINIUM MG/L	AMMONIA MG/L	T. KJELDL MG/L	ALKALINITY MG/L	POTASSIUM
JAN/86-DEC/86										
SOUTHWESTERN										
SOUTHAMPTON		.31	.13	7.05	.22		7.32			
WEST-CENTRAL										
GRAND VALLEY		.25	.11	6.82	.34		32.92			
HALDIMAND (CAYUGA)		.25	.17		.81		143.10			
SHELBURNE		.26	.45	7.00	.60		24.73			
WOOLWICH (ST.JACOBS)		.29	.11		.87		166.00			
CENTRAL										
FENELON FALLS		.30	.10		.75		333.36			
HASTINGS		.43	.18		9.78		42.00			
NORWOOD		.25	.14		1.05					

OPERATION DATA LAGOONS

The annual flow and average daily influent flow are shown on the following table.

The BOD, SS, total phosphorus and total kjeldahl nitrogen concentrations are for the lagoon influent and effluent.

When there are less than twelve months of data available for total flow or the influent parameters, a dot (•) is used.

When there are less than twelve months of effluent data available for Continuous Conventional Lagoons a dot (•) is used. Projects marked with a triangle (Δ) are those which have started-up, have switched operating mode, or have changed operating authority during 1986.

Waste stabilization ponds are grouped by Ministry Regions under treatment categories such as Conventional Lagoon Annual Discharge, Exfiltration Lagoon, etc.

OPERATION-DATA LAGOONS

PROJECT	<- FLOW ->		AVG		<---		INFLUENT		---->		<---		AERATION CELL		---->		EFFLUENT		---->	
	TOTAL	AVG	KG	BOD	NO	BOD	SUSP	TOTAL	TKN	NO	BOD	SUSP	DISS	NO	BOD	SUSP	TOT	TKN		
	1000	DAY	/HA/	OF	OF	MG/L	MG/L	P	MG/L	OF	MG/L	SOL	O(2)	OF	MG/L	SOL	P	MG/L	MG/L	
	M3	1000M3	DAY	SAMP						SAMP			MG/L	SAMP						
JAN/86-DEC/86																				
AERATED LAGOON																				
SOUTHWESTERN																				
MARKDALE	294.5	.807	64	39		182.1	229.8	7.3	27.2											
WEST-CENTRAL																				
HARRISTON	578.8	1.576	76	14		222.4	585.3	28.4	43.4					36	12.0	18.2	2.8	3.9		
NORTHEASTERN																				
CHAPLEAU	548.6	1.562		2		64.7●	43.0●	1.5●	11.7●		57.6●	39.0●		2	20.5●	18.6●	1.2●	12.1●		
CONVENTIONAL LAGOON CONTINUOUS																				
SOUTHWESTERN																				
WIARTON	805.4	2.203	59	12		66.0	67.2	3.6	14.1				12	7.1	9.1	.5	3.7			
WINGHAM	875.5	2.396	64	12		130.7	154.2	4.7	22.2				12	17.2	13.8	2.2	9.2			
SOUTHEASTERN																				
ERNESTOWN (AMHERSTVIEW)	1067.7	2.915	36	15		95.6●	103.8●	6.1●	22.8●				15	22.4●	58.3●	3.1●	9.0●			
NORTHEASTERN																				
BLACK R MATHESON(RAMORE)	51.7	.206	31	23		93.1	86.7	4.6	33.2				14	27.6●	25.1●	3.7●	16.6●			
BLACK R MATHESON(VAL GAG)	39.3	.108	15	23		110.7	128.3	5.7	42.3				5	17.6●	13.1●	1.8●	7.9●			
ENGLEHART	631.5	1.723	47	24		88.4	110.3	3.9	23.5				54	14.0	12.5	2.3	9.8			

OPERATION-DATA LAGOONS

PROJECT	-< FLOW ->		AVG		----		INFLUENT		----> <----		AERATION CELL		----> <----		EFFLUENT		---->	
	TOTAL	AVG	KG	BOD	NO	BOD	SUSP	TOTAL	TKN	NO	BOD	SUSP	DISS	NO	BOD	SUSP	TOT	TKN
	1000	DAY	/HA/	OF	OF	MG/L	MG/L	P	MG/L	OF	MG/L	SOL	O(2)	OF	MG/L	SOL	P	MG/L
	M3	1000M3	DAY	SAMP						SAMP			MG/L	SAMP				
JAN/86-DEC/86																		
CONVENTIONAL LAGOON SEASONAL																		
SOUTHWESTERN																		
ANDERDON (EDGEWATER)	220.0	.604	12	12	82.6	92.4	5.5	24.3					40	2.6	7.3	.3	1.6	
ARRAN (TARA)	74.1	.202	25	13	162.2	169.3	7.9	36.5					8	28.9	57.3	.6	5.0	
AYLMER	1450.6	4.062	101	18	291.5	175.6	8.7	31.9	2	30.3	41.0	13.2	8	10.8	13.6	2.8	8.0	
BELMONT	125.6	.342	12	23	91.4	107.6	6.1	40.1					9	8.1	22.9	.5	4.1	
BLENHEIM	586.7	1.605		13	115.8	147.6	7.8	34.6					19	12.3	57.4	.8	7.4	
DOVER (MITCHELL'S BAY)	105.1	.286	9	12	52.4	58.8	2.0	12.5					13	4.8	26.5	.1	1.6	
DUNDALK	355.8	.973	16	12	44.1	82.9	2.9	23.6	10	4.1	27.6	12.3	15	4.1	24.9	.3	3.4	
DUTTON	162.4	.442	42	10	154.8	138.7	8.2	57.1					17	19.3	77.3	.9	10.8	
EAST ZORRA (TAVISTOCK)	323.1	.885	102	12	606.8	249.5	14.4	33.5					17	20.0	24.1	1.2	12.5	
ENNISKILLEN (OIL CITY)	24.6	.062	11	24	153.5	132.1	8.8	32.9					2	23.6				
ESSEX (N.E.)	772.3	2.117	27	12	50.8	62.5	2.4	22.0					41	8.1	13.3	.2	3.2	
ESSEX (S.W.)	477.1	1.306	29	12	132.9	184.2	7.5	41.0					34	11.4	12.9	.5	6.0	
EXETER	1177.8	3.218		12	106.3	149.2	5.1	38.2					2	9.1	4.4	1.4	8.9	
FOREST	373.8	1.028	34	12	215.9	315.9	7.8	51.8					5	28.9	94.8	2.1	8.9	
GLENCOE	227.6	.623	31	11	231.8	225.3	8.6	46.2					4	7.0	18.5	.3	4.0	
GOSFIELD N. (COTTAM)	116.8	.320	7	13	70.9	61.0	5.0	40.3					13	7.1	19.9	.3	2.3	
HARROW	467.6	1.278	24	23	136.5	235.7	5.9	45.0					10	8.0	23.2	.5	4.7	
LUCAN	317.0	.864	77	12	145.6	172.6	7.1	50.8					10	11.5	19.3	.6	9.6	
MCGILLIVRAY (PARKHILL)	251.0	.686	20	12	156.6	212.3	8.1	37.3					4	5.5	19.4	1.0	4.9	
MITCHELL	973.9	2.663	180	21	746.8	503.9	13.3	50.6					11	12.9	20.6	.6	8.5	
NORMANBY (NEUSTADT)	51.6	.140	9	23	132.4	184.5	8.1	54.0					6	2.7	3.1	.9		
NORWICH	318.3	.871	26	12	149.3	347.0	6.7	34.2					7	12.3	18.0	.5	5.2	
PORT STANLEY	490.3	1.340	29	23	142.3	115.8	4.5	29.4					52	13.6	23.3	.8	7.6	
RIDGETOWN	368.0	1.010	24	11	153.6	208.8	8.0	39.1					14	26.5	42.9	.9	8.9	
RODNEY	258.0	.702	63	12	233.8	222.0	6.7	39.4					9	33.7	165.3	1.9	18.4	
SARNIA (BRIGHT'S GROVE)	407.6	1.046		13	107.3	141.1	6.8	23.5					3	8.0	67.4	2.5	2.4	
SEAFORTH	659.8	1.805	28	14	76.3	105.3	2.9	17.9					25	10.0	33.9	.9	11.4	
SOMBRA (PORT LAMSTON)	206.4	.564	16	12	109.2	118.0	5.7	25.8					6	5.3	29.3	.5	4.6	
SOMBRA (SOMBRA)	75.8	.206	5	14	103.5	95.5	6.6	38.2					6	6.1	17.1	.2	1.7	
STEPHEN (GRAND BEND)	381.0	1.040	16	12	141.3	130.4	5.0	31.3					7	8.8	148.5	.4	2.9	
TILBURY N (STONE POINT)	467.0	1.278		10	29.0	53.7	2.3	15.2					12	9.6	22.6	.6	2.5	
TILBURY WEST (COMBER)	117.4	.321	19	8	116.2	138.2	6.8	39.5					9	19.5	22.1	.8	6.1	
WATFORD	178.4	.488	13	24	129.6	99.3	7.0	39.4					3	25.1	307.5	2.2	5.4	
WEST LORNE	228.0	.624	21	11	110.3	128.0	5.1	33.8					22	13.8	69.8	.5	8.6	
ZURICH	186.4	.506	28	12	116.3	181.8	7.4	39.8					6	8.0	16.1	.7	5.9	
WEST-CENTRAL																		
ARTHUR	443.8	1.213	50	12	194.3	131.9	5.2	26.5					26	16.6	39.4	1.0	10.8	
NANTICOKE (JARVIS)	312.6	.928	73	10	155.6	198.2	7.9	40.3					12	13.6	26.4	.5	11.9	
NANTICOKE (STELCO IND.P)	83.0	.229		10	14.4	66.1	3.3	3.1					1	4.4	9.6	.6		
NORFOLK (PORT ROMAN)	82.9	.247											1	9.0	9.7	.8		
CENTRAL																		
HAVELOCK	285.5	.781	34	12	133.8	169.2	6.3	34.9					15	4.4	9.5	.3		

OPERATION-DATA LAGOONS

	← FLOW →		AVG LDG		INFLUENT				AERATION CELL				EFFLUENT					
A	TOTAL	AVG	KG	BOD	NO	BOD	SUSP	TOTAL	TKN	NO	BOD	SUSP	DISS	NO	BOD	SUSP	TOT	TKN
PROJECT	1000	DAY	/HA/	OF	OF	MG/L	MG/L	P	MG/L	OF	MG/L	SOL	O(2)	OF	MG/L	SOL	P	MG/L
	M3	1000M3	DAY	SAMP						SAMP			MG/L	SAMP				
JAN/86-DEC/86																		
CONVENTIONAL LAGOON SEASONAL																		
SOUTHEASTERN																		
ALFRED	182.8	.499	9	17	133.1	322.5	8.0	37.5						4	4.1	23.0	.7	2.1
CASSELMAN	277.4	.758	6	21	54.8	45.4	4.0	25.1						4	7.6	22.8	1.9	6.5
CHESTERVILLE	329.9	.915	8	14	44.3	54.7	7.3	19.4							15.5	16.5	4.1	17.0
LANCASTER	172.8	.474	20	37	102.4	149.1	5.9	28.0						27	12.8	12.6	.8	7.0
MADOC	217.0	.592	14	15	115.0	138.1	6.7	39.3						11	25.0	26.4	.5	4.9
PLANTAGENET	232.4	.635	36	16	155.6	439.1	8.9	36.6						12	6.0	4.5	.6	3.3
TWEED	661.1	1.841	28	21	75.5	96.5	3.8	29.4						3	17.0	46.0	3.2	9.9
VANKLEEK HILL	326.2	.911	15	34	79.6	116.8	4.3	22.9						8	13.5	18.9	.6	6.9
WESTPORT	125.3	.343	26	19	99.8	113.4	5.0	20.8						6	21.7	30.8	5.8	12.2
WINCHESTER	463.2	1.270	50	8	108.3	140.6	7.9	22.5										
NORTHEASTERN																		
ASSIGINACK(MANITOWANING)	88.6	.240	15	17	77.9	67.3	3.7	27.5						20	17.1	40.5	3.2	8.8
BRUCE MINES	129.8	.355	21	15	79.3	66.7	4.2	20.9						11	10.9	9.2	1.5	2.8
BURKS FALLS	130.7	.357	11	24	99.6	125.0	5.8	39.4						10	5.1	7.5	2.1	
CALDWELL (VERNER)	167.3	.473	20	23	95.2	115.3	4.9	24.5						15	5.9	9.4	.6	6.6
CASIMIR J.A.(ST CHARLES)	51.3	.140	8	19	150.1	123.6	6.7	22.7						5	7.1	26.6	.7	
COSBY M.M.(NOELVILLE)	84.3	.230	7	17	116.9	170.0	5.5	32.4						2	13.5	22.3	.7	
FAUQUIER-STRICKLAND	147.1	.403	20	5	67.6	144.6	5.2	18.9						10	11.6	139.4	1.8	6.9
GORE BAY	150.9	.406	30	11	216.3	267.9	5.2	23.4						6	8.9	16.6	2.8	6.7
HAILEYBURY (N.COBBALT)	201.5	.551	55	22	164.7	138.6	7.7	31.0						1	11.0	8.9	4.1	10.2
LITTLE CURRENT	280.2	.762	16	5	92.2	77.4	5.0	26.2						6	7.0	12.0		
MICHIPICOTEN (WAWA)	1560.4	4.285												3	18.2	28.1	2.2	
MOONBEAM	150.5	.411	29	3	220.7	224.3	5.2	17.7						10	3.4	8.6	.2	7.7
NORTH HIMSWORTH (CALL)	242.1	.663	34	19	122.5	105.9	5.9	31.1						5	10.9	7.8	.7	3.2
POWASSAN	386.0	1.057	31	24	120.3	84.3	4.4	7.4										
RATTER & DUNNET (WARREN)	100.5	.274	9	23	109.5	140.8	5.0	26.3						14	1.9	8.8	.6	1.3
SUNDRIDGE	268.8	.735	11	22	49.0	33.4	2.7	12.0						3	3.1	6.1	.3	.9
TEMAGAMI	43.9	.121	27	9	212.1	147.5	9.4	53.4						11	14.0	11.5	1.4	4.9
THESSALON	457.8	1.258	10	14	48.5	45.9	3.8	25.6						4	3.9	9.1	1.1	2.8
VAL RITA-HARTY (VAL-RITA)														9	20.3	25.7	4.3	12.8
WEBBWOOD	30.5	.083	10	25	207.0	128.1	10.4	66.3										
NORTHWESTERN																		
ATWOOD (RAINY RIVER)	276.1	.728	21	27	89.3	128.0	3.7	21.7						26	11.1	15.1	1.3	7.4
EMO	166.0	.455	28	12	100.9	187.5	5.8	37.0						4	13.5	36.3	1.7	13.4
GOLDEN (COCHENOUR)	144.8	.398	8	10	49.0	75.2	3.6	24.6	7	12.6	23.3			1	8.2	25.0	1.1	2.5

OPERATION-DATA LAGOONS

A	<- FLOW ->		AVG		<---		INFLUENT		----> <---		AERATION CELL		----> <---		EFFLUENT		---->	
	TOTAL	AVG	KG	BOD	NO	BOD	SUSP	TOTAL	TKN	NO	BOD	SUSP	DISS	NO	BOD	SUSP	TOT	TKN
PROJECT	1000	DAY	/HA/	OF	OF	MG/L	MG/L	P	MG/L	OF	MG/L	SOL	O(2)	OF	MG/L	SOL	P	MG/L
	M3	1000M3	DAY	SAMP	MG/L	MG/L	MG/L	MG/L	SAMP	MG/L	MG/L	MG/L	MG/L	SAMP	MG/L	MG/L	MG/L	MG/L
JAN/86-DEC/86																		
CONVENTIONAL LAGOON ANNUAL																		
SOUTHWESTERN																		
HENSALL	200.8	.550	7	11	78.9	120.4	6.2	43.9					11	7.4	12.8	.8	2.1	
MOORE (BRIGDEN)	69.3	.189	11	15	196.9	244.9	9.8	55.4					5	2.3	4.8	2.6	2.0	
OIL SPRINGS	65.7	.179	9	24	120.9	146.0	8.0	30.6					2	24.7				
RALEIGH	69.8	.190	11	12	268.9	236.4	10.6	65.6					4	2.4	66.2	.4	1.1	
THEDFORD	92.1	.251		12	138.8	551.7	7.1	44.5					2	12.4	65.3	.7	4.2	
WEST-CENTRAL																		
DRAYTON	592.2	1.616	413	12	439.9	406.6	10.0	63.9										
DUNNVILLE (OSWEGO PARK)	76.8	.210	49	12	143.7	157.9	8.9	57.9					7	12.5	31.9	3.3	10.7	
SOUTHEASTERN																		
RUSSELL	111.6	.305	7	18	144.8	96.4	8.0	46.9					3	4.2	37.0	1.3	2.3	
ST. ISIDORE DE PRESCOTT	93.7	.256	8	21	209.2	311.7	9.9	51.9					6	4.8	58.4	3.9	2.3	
EXFILTRATION LAGOON																		
CENTRAL																		
BEETON	337.3	.923	53	13	138.5	172.7	7.3	43.1										
NORTHEASTERN																		
MATTAWA	417.0	1.142	46	11	118.5	56.0	4.5	26.4					2	8.1	23.6	1.0	2.1	
NORTHWESTERN																		
BEARDMORE	82.6	.226	22	17	97.5	111.3	5.5	40.7										

OPERATION-DATA LAGOONS

	<- FLOW ->		AVG LDG		<---		INFLUENT		---->		<--- AERATION CELL		---->		<--- EFFLUENT		---->	
A	TOTAL	AVG	KG	BOD	NO	BOD	SUSP	TOTAL	TKN	NO	BOD	SUSP	DISS	NO	BOD	SUSP	TOT	TKN
PROJECT	1000	DAY	/HA/	OF	OF			P		OF		SOL	O(2)	OF		SOL	P	
	M3	1000M3	DAY	SAMP		MG/L	MG/L	MG/L	MG/L	SAMP	MG/L	MG/L	MG/L	SAMP	MG/L	MG/L	MG/L	MG/L
JAN/86-DEC/86																		
LAGOON AND SPRAY																		
SOUTHWESTERN																		
ANDERDON (MCGREGOR)	177.6	.487	15	21	135.8	141.8	7.8	47.7						7	6.6	7.9	.3	1.9
CENTRAL																		
OMEMEE	101.9	.279	20	12	213.0	226.8	9.6	57.4										
SOUTHEASTERN																		
LEEDS & LANSDOWNE	57.8	.158	7	25	92.4	78.8	6.1	38.5										
AERATED CELL PLUS LAGOON																		
SOUTHWESTERN																		
BLANDFORD-BLENHEIM(PLAT)	102.3	.280	12	12	121.8	152.8	4.9	66.8	12	65.8	54.4		5	18.7	71.1	1.4	9.6	
KINCARDINE	954.8	2.587	50	10	101.5	123.8	5.7	35.4	10	28.5	57.4	5.1	11	12.4	10.4	2.6	13.2	
LISTOWEL	2255.7	6.180	143	21	267.2	212.6	3.7	22.1	25	61.7	115.3	2.6	36	19.6	20.5	.9	11.9	
THORNBURY	516.2	1.412	10	18	28.3	34.9	1.8	12.1	12	10.5	21.0	9.0	23	3.3	8.0	1.0	5.5	
WEST-CENTRAL																		
NANTICOKE (WATERFORD)	331.5	.905	37	25	99.4	82.5	4.9	32.2	25	73.5	83.2		22	20.4	29.2	1.0	8.1	
WILMOT (NEW HAMBURG) **	565.8	1.542	64	32	184.9	173.9	9.5	47.2	8	33.4	27.6	5.2	9	1.4	3.0	.7	1.3	
SOUTHEASTERN																		
ALEXANDRIA	2046.9	5.644	76	62	93.2	82.0	3.1	26.9	82	38.0	34.1	4.5	87	22.7	20.0	1.1	7.9	
ALMONTE	873.8	2.296	45	17	147.1	260.8	8.5	26.7					7	14.0	16.5	1.1	8.0	
ROCKLAND	789.9	2.161	96	46	143.5	416.2	7.1	34.4	42	47.9	35.4		46	29.8	17.9	2.8	15.6	
NORTHEASTERN																		
HEARST	996.4	2.724	44	21	159.6	150.0	5.3	32.7	16	17.1	14.5		13	16.2	25.7	2.0	8.2	
NEW LISKEARD	1567.4	4.290	17	20	90.4	98.9	4.9	24.2	15	9.5	15.6	10.1	3	3.5	9.9	2.4	6.9	
NEW LISKEARD A-B													15	10.6	14.3	2.7	11.8	

OPERATING COST SUMMARY - MECHANICAL PLANTS

The unit operating costs for mechanical sewage treatment plants are shown for the Total Treated Volume as \$ per 1000 m³. For the BOD and SS removal, they are shown as ¢ per kilogram.

Flow figures marked with a dot (•) are prorated Total Volumes for the year.

BOD and SS averages accompanied with a dot (•) are based on less than twelve months of data.

Projects marked with a triangle (Δ) are those which have started-up during 1986.

OPERATING COST SUMMARY
MECHANICAL PLANTS 1986

PROJECT	TOTAL TREATED VOLUME 1000 m³	TOTAL OPERATING COSTS dollars	UNIT OPERATING COSTS		
			\$/1000 m³	¢/kg BOD rem.	¢/kg SS rem.
<u>PRIMARY TREATMENT</u>					
<u>Region 1 - Southwest</u>					
Owen Sound	10,694.7	488,370	46	80	51
Point Edward	721.6	119,298	165	204	37
<u>Region 2 - West Central</u>					
Nanticoke (Port Dover)	1,211.0*	166,843	137	92	66
<u>Region 4 - Southeast</u>					
Cornwall	19,359.9	1,145,624	59	25*	70
Petawawa	1,585.9	240,710	152	311	177
Prescott	1,881.9	172,734	92	305	67
<u>Region 5 - Northeast</u>					
Espanola	1,205.4	79,870	66	134	140
Sault Ste. Marie	15,118.5	554,740	37	47	34
<u>Region 6 - Northwest</u>					
Fort Frances	2,530.1	230,321	91	546	152
<u>CONVENTIONAL ACTIVATED SLUDGE</u>					
<u>Region 1 - Southwest</u>					
Ingersoll - New	2,073.6*	250,919	87	47*	24*
Ingersoll - Old	798.2*				
St. Marys	1,412.0	224,029	159	77	107
Stephen (Huron Park)	584.6	76,398	131	131	108
Stratford	6,808.8	493,593	72	87	60
Tillsonburg	1,758.9	247,156	140	122	98
Tuckersmith (Van Astra)	230.0	95,988	417	733*	727*
Wallaceburg	3,003.1	460,467	153	170	97
<u>Region 2 - West Central</u>					
Brantford	19,174.8	1,058,416	55	29	26
Cambridge (Galt)	10,972.5	664,652	60	39	36
Cambridge (Preston)	3,244.7	398,195	123	22*	24
Delhi	795.1	118,648	149	131	110
Dunnville	1,906.6	187,307	98	38	56
Fergus	1,626.3	127,856	78	93	113
Haldimand (Caledonia)	835.3	133,901	160	124	111
Kitchener	23,161.6	1,911,229	82	38	36
Orangeville	3,328.3	400,559	120	88	77
Palmerston(Est.on 1 mos.data)	1,018.4*	23,458	23	15*	27*
Simcoe	3,371.0	404,805	120	46	61
Waterloo	16,775.5	832,117	50	26	13
Woolwich (Elmira)	1,595.6	303,311	190	78	100
<u>Region 3 - Central</u>					
Campbellford	2,245.5	215,658	96	354*	201
Mississauga (Clarkson)	28,582.4	1,550,876	54	30	26
Mississauga (Lakeview)	91,266.2	7,486,070	82	40	37
<u>Region 4 - Southeast</u>					
Belleville	16,391.2	946,031	58	45	66
Kingston Twp.	7,019.5	575,645	82	29	35
Sidney (Batawa)	448.6	28,712	64	96	108
Trenton	4,289.3	541,945	126	70	93
<u>Region 5 - Northeast</u>					
North Bay	12,120.3	882,721	73	24	18
Parry Sound	1,884.2	258,434	137	103	152
Sault Ste. Marie (west end)Δ	2,679.7*	540,639	201	136*	153*
Sturgeon Falls	1,750.3	184,090	105	169	140

00404-1986.1

OPERATING COST SUMMARY
MECHANICAL PLANTS 1986

PROJECT	TOTAL TREATED VOLUME 1000 m ³	TOTAL OPERATING COSTS dollars	UNIT OPERATING COSTS		
			\$/1000 m ³	¢/kg BOD rem.	¢/kg SS rem.
EXTENDED AERATION					
Region 1 - Southwest					
Alvinston	54.7	45,780	837	683*	56*
Blyth	127.8	69,415	543	331	243
Brussels	153.7	67,988	442	266	169
Dresden	490.6*	288,302	588	332	218
Durham	340.5	68,060	200	324	89
East Williams (Ailsa Craig)	133.4	56,737	425	350	252
Lobo (Kilworth Heights)	34.8	18,868	542*	524	117
Maidstone (Belle River)	2,506.9	391,146	156	223	198
Mildmay	152.7	59,526	390	367	270
Moore (Corunna)	769.0	172,074	224	186	210
Moore (Courtright)	218.0	81,341	373	199	146
Petrolia	574.9	172,074	300	153	282
Plympton - Wyoming	170.7	65,402	383	414	365
Port Burwell	90.8	50,096	552	421	380*
Romney (Wheatly)	306.8	187,819	612	156	188
Thamesville	85.0	83,964	988	617*	1012*
Westminster (Southland)	41.0	24,441	596	531	479
Westminster (Westminster)	454.4	109,654	241	222	119
Region 2 - West Central					
Haldimand (Hagersville)	669.5	106,633	159	152	283
North Dumfries (Ayr)	143.4	58,157	406	245*	316*
Paris	952.9	161,425	169	52	105
South Dumfries (St. George)	123.2	38,477	311	240*	301*
Wellesley	232.0	40,785	176	132	120
Wilmot (Baden)	249.2	49,269	198	86	110
Region 3 - Central					
Alliston	1,118.0	177,488	159	97	129
Bobcaygeon	298.1	136,316	457	329	454*
Bradford	1,383.4	232,824	168	85	32
Coldwater	181.6	63,924	352	306	292
Essa (Angus)	274.9	87,464	318	214	254
Millbrook	328.4	81,630	248	283	360
Smith (Woodland Acres)	90.1	35,684	396	939	1115
Victoria Harbour	230.8	134,186	581	692	725
Wasaga Beach	422.6	134,066	317	Exfiltration Plant	
Region 4 - Southeast					
Barry's Bay	132.6	79,572	600	421	302
Chalk River	151.5	61,986	409	596	311
Deseronto	534.0	84,736	159	130	282
Eganville	184.0	30,880	168	136	118
Ernestown (Odessa)	348.8	75,665	217	336	464
Hagarty-Richards (Killaloe)	93.9	60,400	643	422	311
L'Original	258.4	39,937	154	305	189
Marmora	240.5	58,290	242	242*	221*
Merrickville	186.5	82,776	444	1075	1254
Pittsburg (Cana)	64.3	14,219	221	290	290
Region 5 - Northeast					
Black River - Matheson (M)	304.0	76,198	251	456	610
Blind River	781.2	108,072	138	179*	305
Haileybury (New)	666.0	59,636	89	89	88
Hornepayne	295.0	123,101	417	810	680
Kapuskasing	1,779.7	228,340	128	112	90
Latchford	119.9	49,410	412	852*	494*
Moosenee (North)	92.7	40,744	440	1132*	509*
Smooth Rock Falls	942.3	66,218	70	254*	317*
Region 6 - Northwest					
Atikokan	919.0	215,587	234	651	421
Ear Falls	468.3	101,938	218	304	122
Geraldton	699.9	112,509	161	240	153
Golden (Balmertown)	393.1	53,388	135	200	180
Ignace	391.7	96,106	245	319	217
Marathon	536.4	101,316	189	209	127
Nakina	182.1	69,922	384	522	265
Pickle Lake	79.5	71,916	904	4495	3127
Red Lake	661.9	173,090	261	442	348
Schreiber	306.6	80,581	262	256	127

OPERATING COST SUMMARY
MECHANICAL PLANTS 1986

PROJECT	TOTAL TREATED VOLUME 1000 m ³	TOTAL OPERATING COSTS dollars	UNIT OPERATING COSTS		
			\$/1000 m ³	¢/kg BOD rem.	¢/kg SS rem.
<u>MODIFIED SECONDARY</u>					
<u>Region 4 - Southeast Hawkesbury</u>	3,874.9	394,329	102	193	136
<u>CONTACT STABILIZATION</u>					
<u>Region 3 - Central Port McNicholl</u>	391.9	68,106	174	174	164
<u>Region 4 - Southeast Frankford</u>	464.5	70,787	152	136	245
<u>Region 5 - Northeast Haileybury (Old)</u>	155.9*	See	Haileybury	(New)	
<u>Iroquois Falls</u>	1,150.0*	146,429	127	349*	285*
<u>Kirkland Lake</u>	4,353.5	329,201	76	168	134
<u>Moosenee (Old Townsite)</u>	195.8	65,390	334	352*	365*
<u>Region 6 - Northwest Longlac</u>	737.7	141,657	192	239	130
<u>HIGH RATE ACTIVATED SLUDGE</u>					
<u>Region 1 - Southwest Meaford</u>	1,309.3	204,181	156	354	184
<u>Region 2 - West Central Cambridge (Hespler)</u>	1,995.6	237,621	119	151	70
<u>Region 4 - Southeast Carleton Place</u>	2,130.8	55,822	26	84	78
<u>OXIDATION DITCH</u>					
<u>Region 1 - Southwest Paisley</u>	No Data	77,721	327		
<u>Southampton</u>	440.6	144,011	402	449	299
<u>Region 2 - West Central Grand Valley</u>	168.6	67,721	402	440	380
<u>Haldimand (Cayuga)</u>	226.9	52,104	230	213	276
<u>Shelburne</u>	550.2	87,678	159	123	87
<u>Woolwich (St. Jacobs)</u>	424.6	78,618	185	45	126
<u>Region 3 - Central Fenelon Falls</u>	313.4	128,512	410	535	529
<u>Hastings</u>	272.2	102,909	378	1,906*	1,183*
<u>Norwood</u>	169.0	101,586	601	14*	23*
<u>COMMUNAL SEPTIC TANK</u>					
<u>Region 6 - Northwest Baird (Madsen)</u>	No Data	10,368			

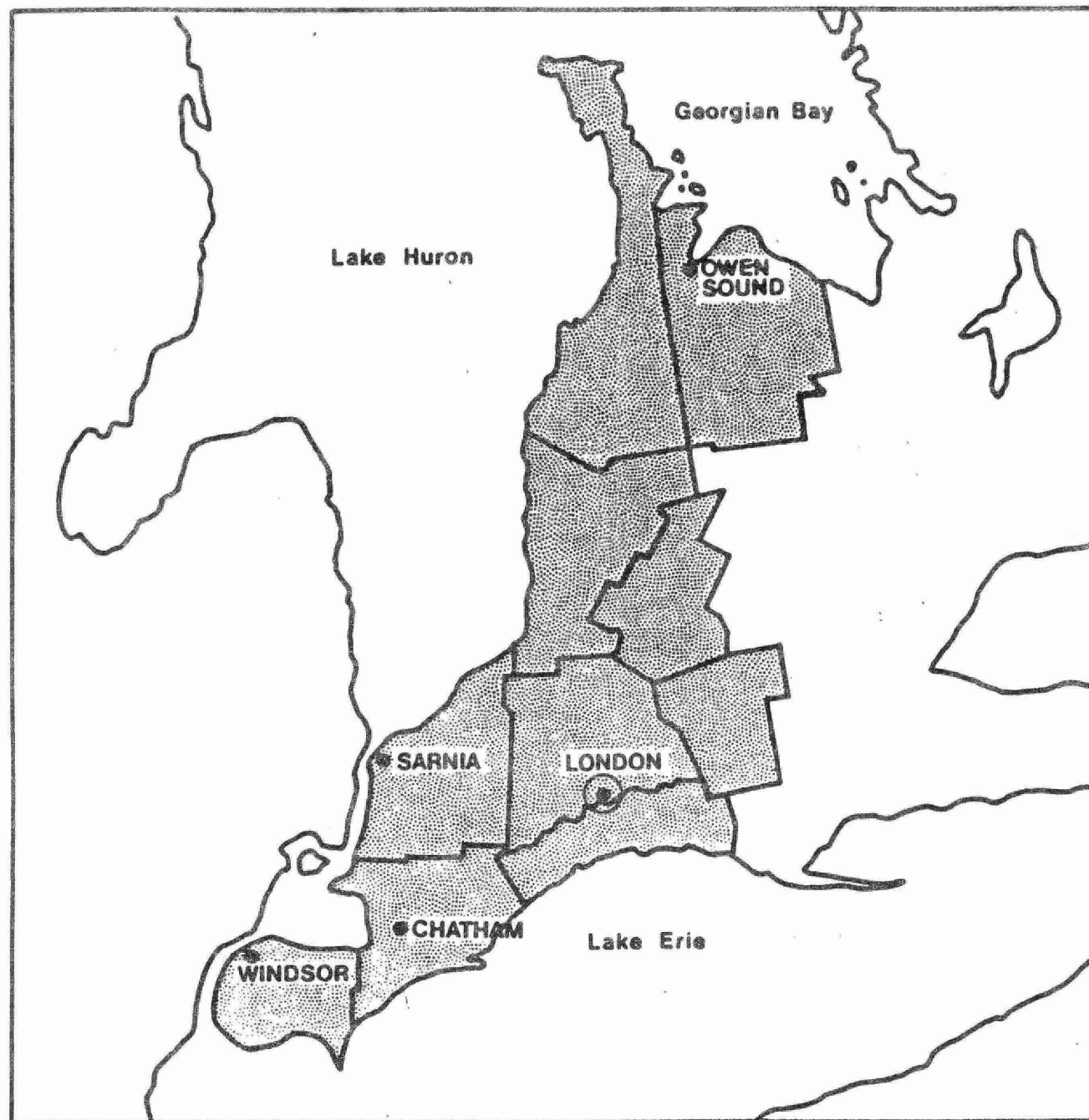
00404-1986.3

MECHANICAL SEWAGE TREATMENT PLANTS

PRIMARY TREATMENT PLANT
CONVENTIONAL ACTIVATED SLUDGE PLANTS
MODIFIED SECONDARY PLANTS
CONTACT STABILIZATION PLANTS
EXTENDED AERATION PLANTS
HIGH RATE PLANTS
OXIDATION DITCHES

WASTE STABILIZATION PONDS

AERATED LAGOON
CONVENTIONAL LAGOON CONTINUOUS
CONVENTIONAL LAGOON SEASONAL
CONVENTIONAL LAGOON ANNUAL
EXFILTRATION LAGOON
LAGOON AND SPRAY
AERATED CELL PLUS LAGOON



SOUTHWESTERN REGION (1)

REGIONAL OFFICE

LONDON

985 Adelaide St. S.

519-661-2200

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000551

OWEN SOUND WPCP

MUNICIPALITY : OWEN SOUND

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : PRIMARY

PHOSPHORUS REMOVAL-CONTINUOUS

DESIGN POPULATION : 0

POPULATION SERVED : 19,624

PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 24.548 1000 M3

DESIGN BOD5 : 180.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				----				
TOTAL		AVG DAY	MAX DAY	PEAK RT	REDUCTION				REDUCTION				REDUCTION											
DATE	VOLUME	1000 M3	1000 M3	1000 M3	INFLUENT	EFFLUENT	%	1000	INFLUENT	EFFLUENT	%	1000	INFLUENT	EFFLUENT	%	1000								
	1000 M3	/DAY	/DAY	/DAY	MG/L	MG/L		KG	MG/L	MG/L		KG	MG/L	MG/L		KG								
JAN/86-DEC/86																								
JAN	844.900	27.300	42.800	63.000	66	14.0	78	43.9	106	24.0	77	69.2	3.6	.22	93	2.856								
FEB	760.700	27.000	28.900	62.000	114	33.2	70	61.4	127	13.3	89	86.4	4.3	1.45	66	2.168								
MAR	1109.100	35.800	56.400	63.000	83	18.7	77	71.3	99	25.8	73	81.1	3.2	.53	83	2.961								
APR	957.300	31.900	43.200	64.000	89	18.3	79	67.6	115	25.8	77	85.3	3.0	.47	84	2.422								
MAY	956.400	30.852	46.000	62.000	40	10.3	74	28.4	124	20.8	83	98.7	2.8	.81	71	1.903								
JUN	930.600	31.020	33.700	62.000	56	20.8	62	32.7	135	28.7	78	98.9	4.1	1.49	63	2.429								
JUL	973.200	31.400	36.300	62.000	109	25.4	76	81.3	113	18.0	84	92.4	4.9	.65	86	4.136								
AUG	861.400	27.787	31.500	62.000	45	13.2	70	27.3	115	23.8	79	78.5	3.9	.68	82	2.774								
SEP	944.200	31.473	46.300	62.000	93	59.2	36	31.9	110	19.7	82	85.2	3.3	.85	74	2.313								
OCT	980.800	31.639	49.000	38.000	52	14.5	72	36.7	75	12.5	83	61.3	2.2	.40	81	1.765								
NOV	662.500	22.083	26.700	52.000	162	20.1	87	94.0	96	19.5	79	50.6	4.9	.58	88	2.862								
DEC	713.600	24.700	29.800	52.000	79	34.6	56	31.6	103	18.8	81	60.0	3.5	.89	74	1.862								
TOTAL		10694.700							608.6				948.3				30.451							
AVERAGE		29.413											109				20.8 80				3.6 .75 79			
MAXIMUM		56.400																						
NO. OF SAMPLES									20 21				249 249				19 22							

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 16 JUL 87

WORKS NUMBER : 110000597

POINT EDWARD WPCP

MUNICIPALITY : POINT EDWARD

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : PRIMARY
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 2,373
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 2.591 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

---- FLOW DATA

----><--BIOCHEMICAL OXYGEN DEMAND--><-- SUSPENDED SOLIDS ----><-- TOTAL PHOSPHORUS ---->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	REDUCTION				REDUCTION				REDUCTION			
					INFLUENT MG/L	EFFLUENT MG/L	%	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	%	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	%	1000 KG
JAN/86-DEC/86																
JAN	51.060	1.650	2.580	3.060	103	84.2	18	.9	195	25.4	86	8.6	6.4	2.15	66	.217
FEB	43.110	1.540	1.750	3.150	118	93.4	20	1.0	282	32.2	88	10.7	6.1	2.70	55	.147
MAR	64.660	2.090	2.690	3.430	79	68.0	13	.7	131	58.1	55	4.7	3.6	3.18	11	.027
APR	55.940	1.860	2.310	3.120	317	84.0	73	13.0	1645	90.8	94	86.9	68.0	2.85	95	3.644
MAY	57.840	1.870	2.540	3.140	67	51.2	23	.9	149	15.1	89	7.7	4.1	.30	92	.220
JUN	61.440	2.050	2.350	3.490	114	59.0	48	3.3	461	41.6	90	25.7	17.7	2.00	88	.965
JUL	56.560	1.820	1.970	3.280	49	40.5	17	.4	136	20.5	84	6.5	2.7	.60	77	.119
AUG	69.660	2.250	3.100	3.570	49	28.6	41	1.4	169	16.9	90	10.5	4.0	.52	87	.242
SEP	75.640	2.520	3.600	3.800	30	39.6	-	-	214	18.3	91	14.8	2.4	.60	75	.136
OCT	78.760	2.540	3.490	3.570	96	25.1	73	5.5	181	21.8	87	12.5	4.2	.64	84	.280
NOV	50.040	1.670	1.870	3.060	104	35.5	65	3.4	455	25.9	94	21.4	20.0	.86	95	.958
DEC	56.960	1.840	2.500	3.230	265	49.5	81	12.2	482	27.3	94	25.9	73.0	.94	98	4.105

TOTAL

721.670

43.2

236.4

11.060

AVERAGE

1.975

115 54.8 43

375 32.8 87

17.6 1.44 77

MAXIMUM

3.600

NO. OF SAMPLES

12

12

12

12

12

12

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110003969

INGERSOLL NEW WPCP

MUNICIPALITY : INGERSOLL (NEW)
REGION : 01 SOUTHWESTERNTREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 5,400
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 6.819 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<--- FLOW DATA

---><--BIOCHEMICAL OXYGEN DEMAND-->--->--- SUSPENDED SOLIDS --->---<--- TOTAL PHOSPHORUS --->---

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
						%			%			%	
JAN/86-DEC/86													
JAN				22.400	180	9.6	94	398	13.9	96	7.3	.61	91
FEB				16.700	86	44.6	48	229	70.5	69	5.2	3.06	41
MAR	215.540	7.000	10.400	25.500	196	5.1	97	41.1	368	7.2	98	77.7	7.1 .32 95 1.461
APR	183.090	6.100	7.090	25.500	140	6.8	95	24.3	219	8.4	96	38.5	8.0 1.33 83 1.221
MAY	187.580	6.050	7.550	19.900	282	4.9	98	51.9	370	3.2	99	68.8	8.3 .69 91 1.427
JUN	185.870	6.200	7.540	19.900	167	7.5	95	29.6	287	12.5	95	51.0	5.0 .41 91 .853
JUL	181.410	5.850	6.990	24.900	143	3.7	97	25.2	234	2.6	98	41.9	4.7 .27 94 .804
AUG	159.100	5.130	6.200	15.800	349	3.5	98	54.9	685	3.9	99	108.3	9.7 .37 96 1.484
SEP	159.930	5.330	6.980	14.800	250	8.0	96	38.7	553	6.5	98	87.4	9.3 .59 93 1.393
OCT	159.730	5.150	6.530	11.500	214	12.8	94	32.1	583	8.7	98	91.7	11.0 2.30 79 1.390
NOV	147.580	4.920	5.660	11.500									
DEC	157.520	5.080	6.020	9.670	124	24.6	80	15.6	271	12.4	95	40.7	5.3 .45 91 .764
TOTAL	1737.350							313.8				606.3	10.797
AVERAGE		5.681			193	11.9	90		381	13.6	95	7.3	.94 86
MAXIMUM			10.400										
NO. OF SAMPLES					12	16		12	16		12	16	

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110003978

INGERSOLL OLD WPCP

MUNICIPALITY : INGERSOLL (OLD)

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 2,800
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 3.409 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<--- FLOW DATA

---><---BIOCHEMICAL OXYGEN DEMAND---><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																
JAN				5.800	180	5.7	96		398	7.8	98		7.3	.43	94	
FEB				5.800	86	4.3	95		229	13.4	94		5.2	1.74	66	
MAR	96.560	3.110	4.520	5.860	196	5.2	97	18.4	368	14.1	96	34.1	7.1	.60	91	.628
APR	85.720	2.900	3.440	5.800	140	5.0	96	11.5	219	11.0	94	17.8	8.0	1.08	86	.593
MAY	81.980	2.640	3.160	5.860	282	4.4	98	22.7	370	11.7	96	29.3	8.3	.82	90	.613
JUN	82.710	2.760	3.270	7.410	140	7.0	95	11.0	219	9.4	95	17.3	8.0	.30	96	.637
JUL	78.290	2.530	3.120	5.860	143	6.3	95	10.7	234	14.0	94	17.2	4.7	.62	86	.319
AUG	77.920	2.510	3.130	5.930	349	3.8	98	26.8	685	6.6	99	52.8	9.7	.58	94	.711
SEP	53.800	1.800	3.280	5.800	250	4.0	98	13.2	553	8.7	98	29.2	9.3	1.47	84	.421
OCT	34.190	1.100	1.480	5.800	214	.4	99	7.3	583	5.1	99	19.7	11.0	.91	91	.345
NOV	37.550	1.250	1.580	3.000												
DEC	39.460	1.270	1.760	3.960	124	11.6	90	4.4	271	8.4	96	10.3	5.3	.32	93	.197
TOTAL	668.180							126.3				228.2				4.464
AVERAGE		2.187			191	5.2	96		375	10.0	96		7.6	.80	88	
MAXIMUM			4.520													
NO. OF SAMPLES					12	16			12	16			12	16		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001275

ST MARYS WPCP

MUNICIPALITY : ST MARYS

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 5,000
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 3.636 1000 M3

DESIGN BOD5 : 195.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

----- FLOW DATA				-----<<--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				-----<<--- TOTAL PHOSPHORUS				----		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG		
JAN/86-DEC/86																		
JAN	109.350	3.520	5.830	9.000	167	12.8	92	16.8	189	8.8	95	19.7	5.2	.86	83	.475		
FEB	95.020	3.390	3.890	9.000	190	16.6	91	16.4	164	6.8	95	14.9	4.9	.53	89	.415		
MAR	148.800	4.800	8.960	9.000	143	6.8	95	20.2	159	4.6	97	22.9	4.5	.59	86	.582		
APR	122.670	4.080	4.630	9.000	128	9.2	92	14.5	118	4.0	96	13.9	4.4	.49	88	.480		
MAY	113.900	3.670	4.480	9.000	587	10.3	98	65.6	243	6.8	97	26.9	6.2	.53	91	.646		
JUN	98.840	3.290	3.910	9.000	362	10.5	97	34.7	191	3.5	98	18.5	5.9	.20	96	.563		
JUL	104.250	3.360	4.640	9.000	193	4.7	97	19.6	201	5.1	97	20.4	5.7	.26	95	.567		
AUG	99.990	3.220	4.230	9.000	198	4.4	97	19.3	180	3.6	98	17.6	6.7	.58	91	.612		
SEP	137.070	4.560	12.110	12.110	175	5.3	96	23.2	113	3.9	96	14.9	5.5	.54	90	.680		
OCT	141.600	4.570	7.750	9.000	113	6.4	94	15.0	112	6.1	94	14.9	5.6	.72	87	.691		
NOV	114.390	3.810	7.930	9.000	184	8.3	95	20.0	101	5.3	94	10.9	5.6	.54	90	.579		
DEC	126.160	4.060	5.020	9.000	210	5.6	97	25.7	108	4.2	96	13.0	5.7	.29	94	.683		
TOTAL					1412.040				291.8				209.0				6.973	
AVERAGE					3.861				220				8.4				95	
MAXIMUM					12.110													
NO. OF SAMPLES					24				26				24				24	

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110003488

HURON PARK WPCP

MUNICIPALITY : STEPHEN (HURON PARK)

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE

DESIGN POPULATION : 0
 POPULATION SERVED : 1,438
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.818 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

FLOW DATA				BIOCHEMICAL OXYGEN DEMAND				SUSPENDED SOLIDS				TOTAL PHOSPHORUS				
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG
JAN/86-DEC/86																
JAN	50.640	1.630	3.000	3.180	161	4.0	97	7.9	135	4.0	97	6.6	2.8	1.10	60	.086
FEB	38.920	1.390	1.950	2.840	97	3.6	96	3.6	139	4.8	96	5.2	2.9	1.62	44	.050
MAR	55.800	1.800	2.930	3.410	118	8.1	93	6.1	139	6.0	95	7.4	3.4	1.43	57	.110
APR	51.520	1.720	2.500	3.410	115	5.5	95	5.6	142	4.7	96	7.0	2.9	.96	66	.100
MAY	41.510	1.340	2.250	3.520	159	7.9	95	6.2	136	3.8	97	5.4	3.2	1.52	52	.070
JUN	40.700	1.360	1.360	3.070	100	9.8	90	3.6	100	13.0	87	3.5	2.2	1.32	40	.036
JUL	39.530	1.280	2.380	3.180	236	5.1	97	9.1	139	4.7	96	5.3	2.9	1.37	52	.060
AUG	39.780	1.280	1.820	2.950	190	14.1	92	6.9	194	8.3	95	7.3	4.1	1.08	73	.120
SEP	55.940	1.860	2.910	3.410	58	18.6	67	2.2	69	12.0	82	3.1	2.6	1.84	29	.043
OCT	62.510	2.020	2.660	3.300	42	18.0	57	1.5	36	13.0	63	1.4	1.9	1.23	35	.042
NOV	47.860	1.600	2.200	3.300	64	32.0	50	1.5	79	15.0	81	3.0	2.5	1.70	32	.038
DEC	59.970	1.930	2.930	3.410	90	27.0	70	3.7	263	17.0	93	14.7	4.2	1.85	55	.141
TOTAL																
	584.680							58.4				70.5				.896
AVERAGE																
		1.601			119	12.8	83		130	8.8	90		2.9	1.41	50	
MAXIMUM																
			3.000													
NO. OF SAMPLES																
					23	23			23	23			23	23		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000702

STRATFORD WPCP

MUNICIPALITY : STRATFORD

**

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
 PHOSPHORUS REMOVAL-CONTINUOUS
 EFFLUENT POLISHING

DESIGN POPULATION : 0
 POPULATION SERVED : 26,258
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 27.276 1000 M3

DESIGN BOD5 : 140.0 MG/L

DESIGN SUSP.SOLIDS : 250.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				--->		
	TOTAL	AVG DAY	MAX DAY	PEAK RT	REDUCTION				REDUCTION				REDUCTION				REDUCTION	
DATE	VOLUME	1000 M3	1000 M3	1000 M3	INFLUENT	EFFLUENT	%	1000	INFLUENT	EFFLUENT	%	1000	INFLUENT	EFFLUENT	%	1000		
	1000 M3	/DAY	/DAY	/DAY	MG/L	MG/L		KG	MG/L	MG/L		KG	MG/L	MG/L		KG		
JAN/86-DEC/86																		
JAN	707.800	22.800	56.900	60.900	110	7.6	93	72.4	118	.5	99	83.1	3.8	1.65	56	1.522		
FEB	388.900	13.900	21.400	22.200	89	8.8	90	31.1	147	1.4	99	56.6	4.9	.40	91	1.750		
MAR	850.700	27.400	52.800	74.400	101	60.4	40	34.5	136	34.4	74	86.4	4.2	2.80	33	1.191		
APR	618.200	20.600	36.100	67.600	92	10.7	88	50.2	139	4.2	96	83.3	4.7	.50	89	2.596		
MAY	453.700	14.600	28.800	47.300	110	6.5	94	46.9	175	1.3	99	78.8	5.3	.20	96	2.314		
JUN	407.600	13.600	24.500	49.100	110	14.6	86	38.8	142	1.4	99	57.3	6.4	.13	97	2.556		
JUL	371.100	12.000	22.500	65.700	109	29.4	73	29.5	165	1.8	98	60.5	5.7	.10	98	2.078		
AUG	361.400	11.700	18.000	48.300	131	17.4	86	41.0	152	.5	99	54.7	8.7	.08	99	3.115		
SEP	605.700	20.200	49.000	67.700	89	3.3	96	51.9	122	1.1	99	73.2	4.2	.08	98	2.495		
OCT	724.700	23.400	40.000	67.700	112	10.4	90	73.6	110	1.9	98	78.3	4.0	.08	98	2.841		
NOV	609.900	20.300	43.000	57.900	108	10.6	90	59.4	98	.9	99	59.2	4.8	.10	97	2.867		
DEC	709.100	22.900	34.000	72.300	74	20.8	71	37.7	72	2.8	96	49.0	7.8	.10	98	5.460		
TOTAL								567.5					820.8					30.785
AVERAGE		18.617					102	16.7	83	131	4.3	96	5.3	.51	87			
MAXIMUM			56.900															
NO. OF SAMPLES					24	20					24	21	24	21				

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000757

TILLSONBURG WPCP

MUNICIPALITY : TILLSONBURG

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 9,519
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 5.909 1000 M3

DESIGN BOD5 : 235.0 MG/L

DESIGN SUSP.SOLIDS : 250.0 MG/L

<--- FLOW DATA				----><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				----><--- TOTAL PHOSPHORUS ---->				
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																
JAN	164.249	5.298	6.486	9.979	117	2.2	98	18.8	141	7.2	94	21.9	5.6	.51	90	.836
FEB	141.897	5.068	5.589	8.959	113	3.4	96	15.5	168	9.4	94	22.5	6.1	.75	87	.759
MAR	181.068	5.841	8.123	11.163	94	3.7	96	16.3	126	9.0	92	21.1	4.6	.34	92	.771
APR	159.701	5.323	5.791	9.504	83	4.0	95	12.6	139	9.8	92	20.6	4.1	.41	90	.589
MAY	166.019	5.355	6.385	14.787	110	9.7	91	16.6	177	10.7	93	27.6	5.5	1.40	74	.681
JUN	145.700	4.857	5.670	14.406	102	1.9	98	14.5	129	9.1	92	17.4	5.5	.60	89	.714
JUL	140.536	4.533	6.575	9.970	120	4.1	96	16.2	149	7.8	94	19.8	6.5	.76	88	.807
AUG	132.018	4.259	6.108	16.340	182	1.8	99	23.7	162	6.8	95	20.4	7.4	.83	88	.867
SEP	118.928	3.964	4.791	10.240	151	3.3	97	17.5	173	7.0	95	19.7	7.0	1.29	81	.679
OCT	140.079	4.519	5.647	13.260	94	2.3	97	12.8	174	6.5	96	23.4	7.2	.40	94	.953
NOV	123.898	4.130	4.891	9.260	146	3.8	97	17.6	146	7.7	94	17.1	8.3	1.13	86	.888
DEC	144.838	4.672	5.537	9.220	142	2.4	98	20.2	149	6.3	95	20.6	5.0	.40	92	.666
TOTAL		1758.931						202.9				252.7				9.210
AVERAGE			4.818		121	3.5	96		152	8.1	94		6.0	.73	88	
MAXIMUM				8.123												
NO. OF SAMPLES					23	23			52	50			23	23		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110003013

VAN ASTRA WPCP

MUNICIPALITY : TUCKERSMITH (VAN ASTRA)

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 650
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.404 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS --->				
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																
JAN	26.520	.855	3.360		47	8.6	81	1.0	45	13.5	70	.8	5.4	1.34	75	.108
FEB	17.140	.612	.880		87	5.1	94	1.4	108	5.5	94	1.7	2.9	.62	78	.039
MAR	40.790	1.315	3.340		47	8.3	82	1.5	51	9.5	81	1.6	1.8	.62	65	.048
APR	18.120	.604	1.130													
MAY	12.800	.413	1.140		63	2.8	95	.7	91	7.4	91	1.0	3.1	.74	76	.030
JUN	6.710	.224	.490		97	2.5	97	.6	123	6.0	95	.7	4.9	.48	90	.030
JUL	4.870	.157	.480		83	.7	99	.4	67	5.9	91	.2	5.5	.50	90	.024
AUG	9.460	.305	2.220		194	1.1	99	1.8	211	6.5	96	1.9	6.1	.73	88	.051
SEP	36.370	1.210	3.400		40	2.3	94	1.3	38	6.2	83	1.1	.2	.45	-	-
OCT	28.940	.934	2.400		42	2.8	93	1.1	43	8.1	81	1.0	1.7	.56	67	.033
NOV	12.000	.406	.720		106	1.5	98	1.2	92	7.2	92	1.0	5.0	.78	84	.051
DEC	16.280	.525	1.100		32	3.5	89	.4	37	13.6	63	.3	1.5	.57	62	.015
TOTAL		230.000						11.8				11.9				.429
AVERAGE			.630		76	3.5	93		82	8.1	85		3.4	.67	77	
MAXIMUM			3.400													
NO. OF SAMPLES					16	16			16	16			15	16		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000784

WALLACEBURG WPCP

MUNICIPALITY : WALLACEBURG

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 9,200
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 6.819 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 250.0 MG/L

<--- FLOW DATA

---><---BIOCHEMICAL OXYGEN DEMAND---><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																
JAN	246.891	7.964	10.473	17.275	106	13.0	87	22.9	122	15.0	87	26.4	2.9	.40	86	.617
FEB	219.174	7.828	11.613	17.275	74	14.0	81	13.1	124	19.0	84	23.0	3.5	2.30	34	.263
MAR	293.231	9.459	16.610	27.276	111	30.0	72	23.7	135	33.0	75	29.9	3.3	.42	87	.845
APR	232.063	7.735	10.520	17.275	86	23.0	73	14.6	170	24.0	85	33.8	4.4	.67	84	.866
MAY	214.082	6.906	8.738	20.457	129	26.0	79	22.0	174	9.0	94	35.3	3.5	.14	96	.719
JUN	262.226	8.741	15.503	35.004	90	19.0	78	18.6	217	9.0	95	54.5	5.6	.48	91	1.343
JUL	253.107	8.165	9.417	21.821	120	11.0	90	27.5	248	8.0	96	60.7	8.5	.54	93	2.015
AUG	248.592	8.019	10.083	21.821	136	11.0	91	31.0	155	7.0	95	36.7	3.5	.33	90	.788
SEP	245.107	8.170	13.457	31.822	143	8.0	94	33.0	172	11.0	93	39.4	5.4	.25	95	1.262
OCT	326.983	10.548	17.099	23.185	95	18.0	81	25.1	148	17.0	88	42.8	2.6	.44	83	.706
NOV	220.813	7.360	8.558	15.911	96	18.0	81	17.2	187	11.6	93	38.7	3.1	.38	87	.601
DEC	240.879	7.770	11.322	14.547	101	12.0	88	21.4	224	7.0	96	52.2	3.1	.20	93	.699
TOTAL	3003.148							270.7				473.9				10.724
AVERAGE		8.222			107	16.9	83		173	14.2	90		4.1	.54	85	
MAXIMUM			17.099													
NO. OF SAMPLES					51	49			244	244			13	13		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002069

ALVINSTON WPCP

MUNICIPALITY : ALVINSTON

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 1,100
POPULATION SERVED : 643
PERCENT SERVED : 58.4

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.600 1000 M3

DESIGN BOD5 : 141.0 MG/L

DESIGN SUSP.SOLIDS : 210.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><---				TOTAL PHOSPHORUS				--->			
TOTAL VOLUME 1000 M3		AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG								
DATE																											
JAN/86-DEC/86																											
JAN	4.690	.151	.163		186	4.3	97	.8	170	5.2	96	.7	7.2	3.45	52	.018											
FEB	3.605	.129	.156		123	8.0	93	.4	156	12.8	91	.5	7.1	2.92	58	.015											
MAR	6.331	.204	.502		54	5.7	89	.3	74	5.8	92	.4	3.2	.66	79	.016											
APR	3.782	.126	.263		149	.9	99	.5	182	4.1	97	.6	7.0	.78	88	.024											
MAY	3.350	.108	.188		148	4.0	97	.4	194	5.7	97	.6	8.2	.74	90	.025											
JUN	3.524	.117	.253		132	6.8	94	.4	96	2.1	97	.3	7.3	.81	88	.023											
JUL	3.282	.106	.162		109	1.9	98	.3	218	3.1	98	.7	7.9	1.11	85	.022											
AUG	3.598	.116	.345																								
SEP	4.402	.147	.334																								
OCT	7.499	.242	.507																								
NOV	4.636	.155	.205																								
DEC	5.998	.193	.289																								
TOTAL		54.697						3.4				4.0							.143								
AVERAGE			.150		128	4.5	95		155	5.5	96		6.8	1.49	77												
MAXIMUM				.507																							
NO. OF SAMPLES																											

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002247

BLYTH WPCP

MUNICIPALITY : BLYTH

**

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION
 PHOSPHORUS REMOVAL-CONTINUOUS
 EFFLUENT POLISHING

DESIGN POPULATION : 0
 POPULATION SERVED : 900
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.731 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<---				FLOW DATA				----<--BIOCHEMICAL OXYGEN DEMAND-->----				SUSPENDED SOLIDS				----<--- TOTAL PHOSPHORUS ---->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																			
JAN	9.509	.307	.437		129	4.8	96	1.1	195	3.8	98	1.8	5.1	.23	95	.046			
FEB	8.016	.286	.335		162	2.9	98	1.2	170	.6	99	1.3	8.3	.17	97	.065			
MAR	13.359	.431	.859		166	17.3	89	1.9	246	7.7	96	3.1	8.8	.46	94	.111			
APR	10.407	.347	.442		111	4.8	95	1.1	127	1.4	98	1.3	3.1	.09	97	.031			
MAY	9.484	.306	.390		202	1.6	99	1.9	317	1.1	99	2.9	10.8	.17	98	.101			
JUN	9.952	.332	.390		171	1.4	99	1.6	370	.9	99	3.6	10.8	.36	96	.104			
JUL	9.550	.308	.410		175	1.5	99	1.6	262	1.3	99	2.4	9.7	.40	95	.089			
AUG	10.941	.353	.535		172	1.8	98	1.8	293	2.1	99	3.1	8.3	.39	95	.087			
SEP	14.615	.487	1.248		233	1.3	99	3.3	266	1.7	99	3.8	12.3	.22	98	.177			
OCT	11.505	.371	.533		155	1.3	99	1.7	182	.4	99	2.0	9.0	.19	97	.101			
NOV	9.751	.325	.377		193	2.2	98	1.8	178	1.1	99	1.7	9.1	.24	97	.086			
DEC	10.762	.347	.403		138	5.6	95	1.4	191	4.2	97	2.0	13.2	.54	95	.136			
TOTAL	127.851							21.0				29.6				1.134			
AVERAGE		.350			167	3.8	97		233	2.1	98		9.0	.28	96				
MAXIMUM			1.248																
NO. OF SAMPLES					24	26			25	26			25	26					

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002354

BRUSSELS WPCP

MUNICIPALITY : BRUSSELS

**

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION
 PHOSPHORUS REMOVAL-CONTINUOUS
 EFFLUENT POLISHING

DESIGN POPULATION : 0
 POPULATION SERVED : 970
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.881 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<---				FLOW DATA				---><-BIOCHEMICAL OXYGEN DEMAND-><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS --->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																			
JAN	12.798	.413	.720		191	9.2	95	2.3	351	9.9	97	4.3	3.7	.54	85	.040			
FEB	9.682	.346	.408		296	5.6	98	2.8	562	6.0	98	5.3	21.4	.42	98	.203			
MAR	21.569	.696	1.981		97	5.8	94	1.9	189	3.4	98	4.0	17.5	.41	97	.369			
APR	12.781	.426	.495		198	4.8	97	2.4	446	5.9	98	5.6	19.8	.49	97	.247			
MAY	10.212	.329	.426		190	1.3	99	1.9	249	1.2	99	2.5	11.2	.23	97	.112			
JUN	9.060	.302	.354		149	.5	99	1.3	200	1.5	99	1.7	9.9	.18	98	.088			
JUL	8.990	.290	.342		157	1.2	99	1.4	372	.4	99	3.3	13.5	.18	98	.120			
AUG	10.212	.329	.426		325	.6	99	3.3	406	1.1	99	4.1	12.8	.17	98	.129			
SEP	19.015	.634	1.928		136	1.1	99	2.5	110	1.1	99	2.0	7.0	.20	97	.129			
OCT	16.612	.536	.966		71	1.3	98	1.1	90	.6	99	1.4	5.0	.15	97	.081			
NOV	10.253	.342	.539		154	3.4	97	1.5	134	2.3	98	1.3	7.7	.46	94	.074			
DEC	12.538	.404	.456		220	3.9	98	2.7	341	5.7	98	4.2	15.7	.38	97	.192			
TOTAL								25.5				40.2				1.784			
AVERAGE																			
		.421			182	3.2	98		287	3.2	98		12.1	.31	96				
MAXIMUM																			
			1.981																
NO. OF SAMPLES																			
					24	24			24	24			24	24					

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002014

DRESDEN WPCP

MUNICIPALITY : DRESDEN

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 2,568
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 4.546 1000 M3

DESIGN BOD5 : 264.0 MG/L

DESIGN SUSP.SOLIDS : 218.0 MG/L

FLOW DATA				BIOCHEMICAL OXYGEN DEMAND				SUSPENDED SOLIDS				TOTAL PHOSPHORUS				
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																
JAN	44.210	1.426	4.941	11.300	273	4.2	98	11.8	238	6.3	97	10.2	3.6	.18	95	.151
FEB	36.139	1.291	3.443	10.500	738	6.8	99	26.4	641	8.8	98	22.8	6.5	.18	97	.228
MAR	43.728	1.411	3.513	10.710	51	6.2	87	1.9	134	15.8	88	5.1	3.1	.26	91	.124
APR	33.619	1.121	1.835	12.270	347	4.2	98	11.5	342	7.4	97	11.2	8.8	.18	97	.290
MAY	30.692	.990	1.364	12.080	93	5.1	94	2.6	546	10.9	98	16.4	5.7	.26	95	.167
JUN	29.490	.983	1.141	10.910	82	6.7	91	2.2	592	36.5	93	16.3	5.4	.77	85	.137
JUL					50	15.4	69		227	86.8	61		3.2	1.58	50	
AUG					66	4.6	93		233	28.4	87		3.7	.51	86	
SEP					147	29.5	79		155	211.4	-		3.1	.28	90	
OCT	28.165	1.878	2.663		112	4.7	95	3.0	255	8.2	96	6.9	4.7	.26	94	.125
NOV	51.592	1.720	2.805		163	9.0	94	7.9	176	13.8	92	8.3	7.0	.32	95	.345
DEC	61.930	1.998	8.233		167	5.4	96	10.0	331	4.9	98	20.1	3.6	.14	96	.214
TOTAL																
	359.565							77.6				117.8				1.781
AVERAGE																
		1.424			190	8.4	91		322	36.6	91		4.8	.41	89	
MAXIMUM																
			8.233													
NO. OF SAMPLES																
					33	32			63	63			38	41		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000999

DURHAM MUN WPCP

MUNICIPALITY : DURHAM

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 2,258
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 2.182 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<---				FLOW DATA				----<<--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS ----><---				TOTAL PHOSPHORUS ---->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																			
JAN	23.690	.760	.860		79	3.6	95	1.7	235	6.6	97	5.4	4.6	1.13	75	.082			
FEB	21.320	.760	.830		90	10.2	88	1.7	204	17.4	91	3.9	5.7	.77	86	.105			
MAR	32.050	1.030	1.500		71	6.9	90	2.0	206	22.3	89	5.8	4.0	.58	85	.110			
APR	34.490	1.140	1.410		76	5.0	93	2.4	230	9.2	96	7.6	3.9	.46	88	.119			
MAY	28.750	.930	1.080		101	1.0	99	2.8	780	3.8	99	22.3	6.1	.18	97	.170			
JUN	24.800	.830	.890		63	1.1	98	1.5	194	4.2	97	4.7	3.4	.90	73	.062			
JUL	23.020	.740	.960		58	1.8	96	1.2	249	4.5	98	5.6	5.0	1.46	70	.081			
AUG	22.980	.740	.890		53	1.3	97	1.1	188	4.7	97	4.2	4.4	1.52	65	.066			
SEP	35.950	1.200	2.140		59	1.4	97	2.0	113	4.9	95	3.8	4.9	1.38	71	.127			
OCT	39.530	1.280	1.580		44	1.5	96	1.6	117	3.9	96	4.4	3.2	.86	73	.093			
NOV	27.480	.920	1.080		65	9.5	85	1.5	181	5.0	97	4.8	4.0	.58	85	.094			
DEC	26.460	.850	.950		48	14.2	70	.8	160	10.7	93	3.9	4.5	.90	80	.095			
TOTAL	340.520							21.0				76.8				1.204			
AVERAGE		.932			67	4.7	92		238	8.1	95		4.4	.89	79				
MAXIMUM			2.140																
NO. OF SAMPLES					25	25			25	25			25	25					

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002050

AILS A CRAIG WPCP

MUNICIPALITY : E.WILLIAMS (AILS A CRAIG)

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 822
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.600 1000 M3

DESIGN BOD5 : 181.0 MG/L

DESIGN SUSP.SOLIDS : 209.0 MG/L

<---		FLOW DATA			---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS --->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT. 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG
JAN/86-DEC/86																
JAN	9.720	.310	.380	1.300	85	11.3	86	.7	129	17.9	86	1.0	6.6	.81	87	.056
FEB	9.420	.330	.350	1.200	168	9.4	94	1.4	261	24.5	90	2.2	8.6	1.05	87	.071
MAR	11.150	.360	.380	1.400	87	4.6	94	.9	158	17.6	88	1.5	6.8	.72	89	.068
APR	10.430	.350	.410	1.400	147	2.4	98	1.5	242	7.5	96	2.4	7.5	.31	95	.075
MAY	10.800	.350	.460	1.200	104	1.6	98	1.1	183	9.3	94	1.8	8.3	.44	94	.085
JUN	10.300	.340	.510	1.400	178	1.6	99	1.8	287	6.4	97	2.8	8.8	.43	95	.086
JUL	9.680	.310	.450	1.600	126	2.4	98	1.1	204	15.5	92	1.8	7.4	1.01	86	.062
AUG	9.790	.320	.370	1.200	161	2.1	98	1.5	253	15.1	94	2.3	7.9	1.14	85	.066
SEP	12.680	.420	.840	1.800	103	3.6	96	1.2	98	15.5	84	1.0	6.5	1.24	80	.067
OCT	14.600	.470	.950	1.600	121	1.3	98	1.7	138	17.2	87	1.7	6.6	1.49	77	.075
NOV	11.270	.380	.460	1.400	140	11.8	91	1.4	130	15.4	88	1.2	7.8	1.50	80	.071
DEC	13.510	.440	.520	1.500	120	7.9	93	1.5	180	18.1	89	2.1	7.1	1.74	75	.072
TOTAL		133.350						16.2				22.5				.854
AVERAGE			.365		128	5.0	95		188	15.0	90		7.4	.99	86	
MAXIMUM				.950												
NO. OF SAMPLES					23	23			23	23			23	23		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110003362

KILWORTH HEIGHTS WPCP

MUNICIPALITY : LOBO (KILWORTH HEIGHTS)

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 135
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.263 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><---				TOTAL PHOSPHORUS				---			
TOTAL VOLUME 1000 M3		AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG		INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG		INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG		INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG								
DATE							%				%				%				%								
JAN/86-DEC/86																											
JAN	1.147	.037	.037		44	8.4	80		117	16.4	85	.1	2.7	.81	70	.002											
FEB	1.092	.039	.039		41	2.7	93		57	16.9	70		3.1	.91	70	.002											
MAR	1.271	.041	.041		22	7.9	64		79	14.6	81		1.6	.86	46	.001											
APR	1.290	.043	.043		8	2.5	68		92	10.0	89	.1	.8	.69	13												
MAY	3.286	.106	.106		36	6.0	83		138	14.9	89	.4	1.7	.69	59	.003											
JUN	4.380	.146	.146		49	3.6	92	.1	43	6.1	85	.1	1.0	.41	59	.003											
JUL	7.750	.250	.250		56		99	.4	327	.5	99	2.5	4.7	.13	97	.035											
AUG	5.611	.181	.181		154		99	.8	633	.8	99	3.5	10.1	.06	99	.056											
SEP	3.750	.125	.125		467	.8	99	1.7	1777	1.6	99	6.6	53.0	.35	99	.197											
OCT	1.767	.057	.057		43	2.6	93		1119	9.2	99	1.9	4.7	.58	87	.007											
NOV	1.860	.062	.062		38	1.7	95		234	5.7	97	.4	5.7	.52	90	.010											
DEC	1.643	.053	.053		33	.7	97		58	3.3	94		1.9	.50	73	.002											
TOTAL		34.847						3.6				16.1				.318											
AVERAGE			.095		82	3.0	89		389	8.3	91		7.5	.54	72												
MAXIMUM				.250																							
NO. OF SAMPLES					29	29			29	29			29	29													

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002078

BELLE RIVER-MAIDSTONE WPCP

MUNICIPALITY : MAIDSTONE (BELLE RIVER)

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 7,581
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 6.819 1000 M3

DESIGN BOD5 : 300.0 MG/L

DESIGN SUSP.SOLIDS : 300.0 MG/L

FLOW DATA				BIOCHEMICAL OXYGEN DEMAND				SUSPENDED SOLIDS				TOTAL PHOSPHORUS				
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG
JAN/86-DEC/86																
JAN	187.120	6.036	8.229		55	7.5	86	8.8	85	14.3	83	13.2	2.5	1.24	50	.236
FEB	185.508	6.625	9.859		56	8.2	85	8.8	87	12.1	86	13.8	1.7	.82	51	.163
MAR	218.533	7.049	10.631		88	10.8	87	16.8	124	26.4	78	21.3	2.2	.84	61	.297
APR	195.348	6.512	8.817		94	5.5	94	17.2	88	14.8	83	14.2	2.1	.42	80	.328
MAY	187.936	6.062	7.322		45	4.0	91	7.7	126	16.7	86	20.5	2.3	.40	82	.357
JUN	243.158	8.105	12.839		74	7.8	89	16.0	92	17.8	80	18.0	2.4	.72	70	.409
JUL	216.841	6.995	10.294		60	4.7	92	11.9	86	13.5	84	15.7	2.6	1.32	49	.278
AUG	206.771	6.670	12.089		113	6.7	94	21.9	85	13.4	84	14.8	2.1	.47	77	.337
SEP	211.098	7.037	11.890		117	7.4	93	23.1	95	11.9	87	17.5	2.9	1.07	63	.386
OCT	257.773	8.315	12.994		63	8.7	86	13.9	77	11.9	84	16.7	2.0	.76	62	.320
NOV	188.894	6.296	8.346		75	3.2	95	13.5	98	11.6	88	16.3	1.9	.32	83	.298
DEC	207.980	6.709	10.316		77	5.6	92	14.8	88	13.7	84	15.4	3.1	.81	73	.476
TOTAL	2506.960							175.2				197.9				3.885
AVERAGE		6.868			76	6.6	90		94	14.8	84		2.3	.76	67	
MAXIMUM			12.994													
NO. OF SAMPLES					46	42			127	128			63	59		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002194

MILDMAY WPCP

MUNICIPALITY : MILDMAY

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 861
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.968 1000 M3

DESIGN BOD5 : 135.0 MG/L

DESIGN SUSP.SOLIDS : 160.0 MG/L

<---				FLOW DATA				----><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				----><--- TOTAL PHOSPHORUS ---->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG			
JAN/86-DEC/86																			
JAN	11.967	.386	.655		99	5.9	94	1.1	110	12.3	88	1.1	6.0	.96	84	.060			
FEB	9.357	.334	.397		159	4.4	97	1.4	204	6.6	96	1.8	9.7	.57	94	.085			
MAR	17.422	.562	1.032		127	6.3	95	2.1	212	9.7	95	3.5	5.9	.54	90	.093			
APR	13.174	.439	.531		107	4.9	95	1.3	99	5.6	94	1.2	5.1	.57	88	.060			
MAY	11.793	.380	.623		168	1.4	99	1.9	261	6.1	97	3.0	8.8	.66	92	.096			
JUN	11.500	.383	.540		110	1.4	98	1.2	194	7.0	96	2.1	7.9	.96	87	.080			
JUL	10.926	.352	.456		63	1.0	98	.6	93	4.6	95	.9	4.8	.65	86	.045			
AUG	11.111	.358	.502		72	1.2	98	.7	79	5.1	93	.8	5.6	.84	85	.053			
SEP	15.904	.530	1.268		83	2.4	97	1.2	131	9.4	92	1.9	6.1	1.09	82	.080			
OCT	14.416	.465	.744		107	2.0	98	1.5	129	7.3	94	1.7	5.3	.31	94	.072			
NOV	11.308	.377	.465		137	3.8	97	1.5	157	10.2	93	1.6	8.0	.82	89	.081			
DEC	13.867	.447	.524		95	3.4	96	1.2	147	4.1	97	1.9	7.3	.38	94	.096			
TOTAL		152.745						16.2				22.0				.901			
AVERAGE			.418		110	3.1	97		151	7.3	94		6.7	.69	89				
MAXIMUM				1.268															
NO. OF SAMPLES					23	24			23	24			23	24					

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000481

CORUNNA P.V. WPCP

MUNICIPALITY : MOORE (CORUNNA)

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 3,405
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 4.546 1000 M3

DESIGN BOD5 : 150.0 MG/L

DESIGN SUSP.SOLIDS : 150.0 MG/L

FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><-- TOTAL PHOSPHORUS --->				
	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG			
DATE	1000 M3	/DAY	/DAY	/DAY	MG/L	MG/L	%	MG/L	MG/L	%	MG/L	MG/L	%			
JAN/86-DEC/86																
JAN	53.630	1.730	2.844	3.284	92	10.4	88	4.3	95	20.4	78	4.0	6.8			
FEB	60.260	2.152	3.539		105	9.5	90	5.7	78	11.3	85	4.0	6.2			
MAR	76.980	2.483	4.082		96	7.6	92	6.8	146	13.4	90	10.2	6.6			
APR	80.730	2.691	4.424		103	9.4	90	7.5	87	11.3	87	6.1	5.3			
MAY	61.810	1.993	3.276		124	11.6	90	6.9	113	11.3	90	6.2	6.0			
JUN	55.680	1.856	3.051		94	9.6	89	4.6	87	6.6	92	4.4	9.5			
JUL	53.630	1.732	2.844		108	3.6	96	5.5	119	5.3	95	6.0	5.7			
AUG	55.270	1.782	2.277	4.376	86	5.1	94	4.4	122	4.2	96	6.5	4.9			
SEP	67.364	2.245	3.824	7.902	106	5.3	95	6.7	84	3.8	95	5.4	6.6			
OCT	67.507	2.177	3.646	6.356	114	6.1	94	7.2	76	7.1	90	4.6	6.8			
NOV	58.264	1.942	2.856	5.658	384	7.9	97	21.9	277	10.8	96	15.5	10.6			
DEC	77.911	2.513	4.271	7.115	139	5.5	96	10.4	126	12.6	90	8.8	8.1			
TOTAL							92.5	82.1							4.813	
AVERAGE		2.108				129	7.6	93	117	9.8	90	6.9	.62	90		
MAXIMUM			4.424													
NO. OF SAMPLES					14	14	14		14	14		14	14			

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001818

COURTRIGHT WPCP

MUNICIPALITY : MOORE (COURTRIGHT)

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 1,400
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.681 1000 M3

DESIGN BOD5 : 204.0 MG/L

DESIGN SUSP.SOLIDS : 240.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS --->			
	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG			
DATE	1000 M3																		
JAN/86-DEC/86																			
JAN	15.320	.494	1.480		156	14.6	90	2.1	167	22.6	86	2.2	9.5	1.18	87	.127			
FEB	14.456	.516	1.546		100	11.5	88	1.2	112	21.1	81	1.3	5.9	3.38	42	.036			
MAR	23.457	.756	2.265		150	29.1	80	2.8	251	24.1	90	5.3	10.9	1.12	89	.229			
APR	18.138	.604	1.810		93	7.1	92	1.5	88	5.9	93	1.4	5.5	.37	93	.093			
MAY	13.819	.445	1.333		111	24.3	78	1.1	98	15.7	83	1.1	8.8	1.04	88	.107			
JUN	19.502	.650	1.947		198	4.6	97	3.7	321	5.3	98	6.1	11.6	1.35	88	.200			
JUL	19.502	.614	1.840		91	20.1	77	1.3	123	44.1	64	1.5	6.2	1.80	70	.086			
AUG	17.092	.551	1.651		509	19.9	96	8.3	580	8.6	98	9.7	18.3	1.75	90	.283			
SEP	20.093	.669	2.004		442	27.3	93	8.3	767	10.8	98	15.1	13.6	1.66	87	.240			
OCT	20.225	.654	1.959		205	9.7	95	3.9	218	10.2	95	4.2	9.6	.76	92	.179			
NOV	15.456	.515	1.543		137	4.2	96	2.0	87	4.7	94	1.2	1.3	.41	68	.014			
DEC	20.911	.674	2.019		218	27.5	87	3.9	347	56.6	83	6.0	11.3	1.25	88	.210			
TOTAL								40.8	55.6								1.804		
217.971																			
AVERAGE																			
		.595					200	16.6	89			263	19.1	89			9.3	1.33	82
MAXIMUM																			
		2.265																	
NO. OF SAMPLES																			
						14	14			14	14			14	14				

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000579

PETROLIA WPCP + LAGOON + FILTER

MUNICIPALITY : PETROLIA

**

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION
 PHOSPHORUS REMOVAL-CONTINUOUS
 EFFLUENT POLISHING

DESIGN POPULATION : 0
 POPULATION SERVED : 4,186
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 3.182 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				---	
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG	
JAN/86-DEC/86																	
JAN	41.233	1.330	2.496		501	5.7	98	20.4	105	4.3	95	4.1	1.0	.35	65	.027	
FEB	38.555	1.377	2.059		57	4.9	91	2.0	98	5.8	94	3.5	3.8	.18	95	.140	
MAR	49.830	1.607	3.582		39	1.3	96	1.8	100	5.0	95	4.7	2.8	.42	85	.119	
APR	62.177	2.070	11.406		276	11.9	95	16.4	121	4.4	96	7.2	6.1	.38	93	.356	
MAY	44.856	1.447	1.987		317	12.8	95	13.6	141	6.1	95	6.0	1.0	.48	52	.023	
JUN	60.645	2.020	8.879		330	11.0	96	19.3	115	6.7	94	6.5	6.8	.52	92	.381	
JUL	49.550	1.598	1.598		271	4.6	98	13.2	112	7.0	93	5.2	4.1	.53	87	.177	
AUG	49.538	1.598	1.598		31	8.1	73	1.1	107	5.5	94	5.0	2.7	.46	82	.111	
SEP	47.940	1.598	1.598		115	2.8	97	5.3	127	9.1	92	5.6	5.9	.59	90	.255	
OCT	49.550	1.598	1.598		236	5.0	97	11.4	106	5.6	94	4.9	5.3	.55	89	.235	
NOV	40.550	1.352	1.352		131	8.9	93	4.9	115	6.6	94	4.3	6.3	.58	90	.232	
DEC	40.550	1.308	1.308		83	6.2	92	3.1	98	6.0	93	3.7	5.8	.50	91	.215	
TOTAL		574.974						112.9				61.2				2.271	
AVERAGE			1.575		198	6.9	94		112	6.0	94		4.3	.46	84		
MAXIMUM				11.406													
NO. OF SAMPLES					24	24			168	168			25	163			

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002489

WYOMING WPCP

MUNICIPALITY : PLYMPTON (WYOMING) **

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION
 PHOSPHORUS REMOVAL-CONTINUOUS
 EFFLUENT POLISHING

DESIGN POPULATION : 0
 POPULATION SERVED : 1,740
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.127 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<--- FLOW DATA

---><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG
JAN/86-DEC/86																
JAN	13.486	.435	.642		127	5.9	95	1.6	93	6.4	93	1.1	8.7	1.00	88	.104
FEB	12.050	.430	.669		112	5.2	95	1.2	121	5.1	95	1.3	1.2	.70	41	.006
MAR	15.225	.491	.963		41	4.5	89	.5	95	3.8	96	1.3	.7	.70		
APR	14.200	.473	.696		103	9.1	91	1.3	113	3.8	96	1.5	.6	.40	33	.003
MAY	13.350	.431	.544		98	6.3	93	1.2	121	14.3	88	1.4	1.3	.50	61	.011
JUN	13.610	.454	.856		153	25.3	83	1.7	126	5.3	95	1.6	11.0	.80	92	.139
JUL	12.760	.410	.830		120	3.1	97	1.4	127	4.7	96	1.5	9.1	.50	94	.110
AUG	13.320	.430	.589		101	6.5	93	1.2	116	4.8	95	1.4	7.9	.40	94	.100
SEP	15.660	.522	.919		104	4.3	95	1.5	98	4.0	95	1.4	7.8	.30	96	.117
OCT	16.140	.521	.865		54	4.0	92	.8	110	4.7	95	1.7	4.8	.50	89	.069
NOV	14.470	.482	.633		138	13.0	90	1.8	108	4.6	95	1.4	9.4	.50	94	.129
DEC	16.450	.531	.812		78	7.2	90	1.1	106	6.9	93	1.6	6.9	.60	91	.104
TOTAL	170.721							15.8				17.9				.892
AVERAGE		.468			102	7.8	92		111	5.7	94		5.7	.57	79	
MAXIMUM			.963													
NO. OF SAMPLES					24	34			168	158			24	168		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001319

PORT BURWELL WPCP

MUNICIPALITY : PORT BURWELL

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 780
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.527 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				---	
	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	
DATE							%			%			%			%	
JAN/86-DEC/86																	
JAN	34.710	1.120	3.370		145	3.6	97	4.9	171	7.2	95	5.6	7.3	1.18	83	.212	
FEB	12.490	.450	1.970		97	5.9	93	1.1	168	5.6	96	2.0	5.6	.84	85	.059	
MAR	4.800	.165	.820		122	4.5	96	.5	108	7.3	93	.4	7.3	.84	88	.031	
APR	2.709	.090	.198		177	14.4	91	.4	199	12.0	93	.5	7.7	.95	87	.018	
MAY	2.492	.080	.352		127	4.8	96	.3	101	3.8	96	.2	6.7	.26	96	.016	
JUN	2.009	.067	.142		152	4.4	97	.2	191	11.2	94	.3	9.1	.65	92	.017	
JUL	2.478	.080	.173		149	7.9	94	.3	142	9.8	93	.3	10.5	.74	92	.024	
AUG	5.133	.166	.293		181	9.2	94	.8	215	14.7	93	1.0	8.9	.92	89	.041	
SEP	4.998	.166	.284		167	8.6	94	.7	127	11.1	91	.5	8.0	.64	92	.037	
OCT	5.897	.190	.270		206	3.5	98	1.1	195	11.3	94	1.0	7.1	.28	96	.040	
NOV	5.768	.192	.273		72	2.3	96	.4	34	4.5	86	.1	6.9	.16	97	.039	
DEC	7.340	.237	.352		104	10.0	90	.6	122				7.3	.74	89	.048	
TOTAL	90.824							11.9				12.4				.582	
AVERAGE		.250			141	6.5	95		147	8.9	93		7.7	.68	91		
MAXIMUM			3.370														
NO. OF SAMPLES					20	20			20	16			20	21			

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110003246

WHEATLY WPCP

MUNICIPALITY : ROMNEY (WHEATLY)
REGION : 01 SOUTHWESTERNTREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 4,802
POPULATION SERVED : 1,528
PERCENT SERVED : 31.8

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 2.750 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				---><-BIOCHEMICAL OXYGEN DEMAND-><---				SUSPENDED SOLIDS				---><- TOTAL PHOSPHORUS			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																			
JAN	20.020	.650	1.100		234	3.6	98	4.6	159	11.4	92	2.9	13.8	.71	94	.262			
FEB	16.760	.600	1.140		146	3.6	97	2.3	202	9.1	95	3.2	7.1	.77	89	.106			
MAR	29.090	.940	2.040		162	2.1	98	4.6	223	4.6	97	6.3	16.7	.40	97	.474			
APR	25.490	.850	1.480		280	9.6	96	6.8	232	21.8	90	5.3	13.1	2.73	79	.264			
MAY	24.890	.800	.970		320	5.4	98	7.8	276	16.4	94	6.4	10.6	.62	94	.248			
JUN	28.660	.960	1.870		189	2.7	98	5.3	246	4.6	98	6.9	9.9	1.30	86	.246			
JUL	26.810	.860	1.190		1259	12.2	99	33.4	551	5.5	99	14.6	21.2	1.37	93	.532			
AUG	23.560	.760	1.010		523	1.4	99	12.2	335	6.4	98	7.7	15.2	1.91	87	.313			
SEP	31.550	1.050	1.570		527	1.7	99	16.5	510	4.5	99	15.9	12.0	.66	94	.358			
OCT	32.300	1.040	2.360		307	2.2	99	9.8	526	3.7	99	16.8	12.5	.50	96	.388			
NOV	23.170	.770	1.430		588	2.8	99	13.5	340	4.6	98	7.7	14.3	.58	95	.318			
DEC	24.550	.790	1.190		120	2.7	97	2.8	243	9.3	96	5.7	19.5	.85	95	.458			
TOTAL								120.2				99.9				3.967			
AVERAGE																			
		.839			387	4.1	98		320	8.4	96		13.8	1.03	92				
MAXIMUM																			
			2.360																
NO. OF SAMPLES																			
					24	22			138	143			24	22					

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002470

THAMESVILLE WPCP

MUNICIPALITY : THAMESVILLE

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 905
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.818 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<---				FLOW DATA				---><-BIOCHEMICAL OXYGEN DEMAND-><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				---			
TOTAL		AVG DAY	MAX DAY	PEAK RT	REDUCTION				REDUCTION				REDUCTION										
DATE	VOLUME	1000 M3	1000 M3	1000 M3	INFLUENT	EFFLUENT	1000	INFLUENT	EFFLUENT	1000	INFLUENT	EFFLUENT	1000	INFLUENT	EFFLUENT	1000							
	1000 M3	/DAY	/DAY	/DAY	MG/L	MG/L	KG	MG/L	MG/L	KG	MG/L	MG/L	KG	MG/L	MG/L	KG							
JAN/86-DEC/86																							
JAN	8.313	.268	1.570		157	7.4	95	1.2	86	16.5	80	.5	7.6	.33	95	.060							
FEB	5.976	.213	.318																				
MAR	9.850	.318	1.460																				
APR	6.414	.214	.257																				
MAY	6.968	.225	.375		320	1.6	99	2.2	178	6.3	96	1.1	4.4	.12	97	.030							
JUN	7.305	.244	.299		87	13.0	85	.5	87	13.4	84	.5	4.9	.58	88	.032							
JUL	6.648	.215	.301		195	7.3	96	1.2	144	5.9	95	.9	8.6	.25	97	.056							
AUG	6.556	.212	.341																				
SEP	6.456	.215	.340																				
OCT	7.175	.232	.412		97	4.9	94	.6	86	9.2	89	.5	6.4	.34	94	.043							
NOV	6.277	.209	.274																				
DEC	7.022	.227	.420		170	11.5	93	1.1	108	8.5	92	.6	7.8	.29	96	.053							
TOTAL	84.960						7.0					4.4				.274							
AVERAGE		.233			171	7.6	94		114	9.9	89		6.6	.31	94								
MAXIMUM			1.570																				
NO. OF SAMPLES					8	8			8	8			8	8									

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 120000818

SOUTHLAND PARK WPCP

MUNICIPALITY : WESTMINSTER (SOUTHLAND)
REGION : 01 SOUTHWESTERNTREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 540
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.263 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---><---BIOCHEMICAL OXYGEN DEMAND---><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG
JAN/86-DEC/86																
JAN	3.235	.104	.155		111	8.9	91	.3	176	7.8	95	.5	6.3	.92	85	.017
FEB	2.872	.103	.153		118	6.9	94	.3	137	9.0	93	.3	5.0	1.13	77	.011
MAR	3.423	.110	.164		118	11.6	90	.3	194	17.1	91	.6	7.3	1.18	83	.021
APR	3.366	.112	.175		106	14.0	86	.3	123	6.3	94	.3	6.4	.98	84	.018
MAY	3.448	.111	.161		108	2.4	97	.3	123	2.6	97	.4	5.3	1.19	77	.014
JUN	3.935	.131	.376		111	.7	99	.4	88	.8	99	.3	7.4	.76	89	.026
JUL	3.753	.121	.172		103	.5	99	.3	98	3.9	96	.3	5.6	.71	87	.018
AUG	3.606	.116	.183		126	.3	99	.4	135	.7	99	.4	5.6	.78	86	.017
SEP	3.415	.114	.180		149	1.1	99	.5	114	.7	99	.3	7.8	.79	89	.024
OCT	3.600	.116	.169		137	.9	99	.4	163	1.5	99	.5	5.1	.96	81	.015
NOV	3.104	.103	.150		123	2.8	97	.3	99	1.9	98	.3	5.7	.39	93	.016
DEC	3.268	.105	.153		110	3.2	97	.3	108	2.2	97	.3	10.9	.45	95	.034
TOTAL	41.025							4.6				5.1				.231
AVERAGE		.112			118	4.4	96		129	4.5	96		6.5	.85	86	
MAXIMUM			.376													
NO. OF SAMPLES					26	26			26	26			26	26		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000800

WESTMINSTER WPCP

MUNICIPALITY : WESTMINSTER (WESTMINSTER
REGION : 01 SOUTHWESTERNTREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 6,059
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.136 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

FLOW DATA				BIOCHEMICAL OXYGEN DEMAND				SUSPENDED SOLIDS				TOTAL PHOSPHORUS				
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG
JAN/86-DEC/86																
JAN	37.025	1.194	2.065		76	17.7	76	2.1	141	21.7	84	4.4	3.9	.62	84	.121
FEB	40.256	1.438	2.391		116	8.0	93	4.3	247	7.8	96	9.6	5.5	.28	94	.210
MAR	54.753	1.766	2.871		65	21.7	66	2.3	139	17.1	87	6.6	2.8	.41	85	.131
APR	47.102	1.570	2.312		96	10.7	88	4.0	141	11.5	91	6.1	3.9	.34	91	.168
MAY	37.157	1.199	1.652		124	3.5	97	4.4	213	8.8	95	7.5	5.4	.46	91	.184
JUN	35.488	1.183	1.613		107	1.7	98	3.7	235	1.6	99	8.2	5.3	.45	91	.172
JUL	43.500	1.403	1.958		242	1.4	99	10.4	582	2.5	99	25.2	14.4	.39	97	.609
AUG	27.385	.883	1.218		138	1.3	99	3.7	225	3.2	98	6.0	5.8	.24	95	.152
SEP	30.125	1.004	2.042		140	4.0	97	4.0	147	2.8	98	4.3	5.4	.41	92	.150
OCT	39.114	1.262	2.504		66	6.4	90	2.3	104	9.2	91	3.7	2.3	.41	82	.074
NOV	22.443	.748	1.356		187	4.0	97	4.1	222	3.3	98	4.9	6.1	.28	95	.131
DEC	40.125	1.294	2.359		95	5.3	94	3.5	141	5.7	95	5.4	4.4	.27	93	.166
TOTAL	454.473							49.4				92.3				2.268
AVERAGE		1.245			121	7.1	91		211	7.9	94		5.4	.38	91	
MAXIMUM			2.871													
NO. OF SAMPLES					24	24			24	24			24	24		







SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000445 MEAFORD WPCP

MUNICIPALITY : MEAFORD
REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : HIGH RATE

DESIGN POPULATION : 0
POPULATION SERVED : 4,372
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 3.909 1000 M3

DESIGN BOD5 : 400.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<---				FLOW DATA				----><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS ----><---				TOTAL PHOSPHORUS ----><---			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG			
JAN/86-DEC/86																			
JAN	115.180	3.715	5.995	9.100	64	15.1	76	5.6	81	17.2	78	7.3	2.8	1.42	49	.159			
FEB	87.013	3.108	4.183	7.200	74	30.7	58	3.7	93	19.1	79	6.4	4.2	2.26	46	.169			
MAR	146.592	4.729	7.619	9.800	61	28.2	53	4.8	119	26.9	77	13.5	2.6	2.41	7	.028			
APR	104.785	3.493	4.752	11.400	50	19.1	61	3.2	75	16.8	77	6.0	3.3	1.65	50	.173			
MAY	92.285	3.076	5.520	11.000	60	17.1	71	3.9	97	16.6	82	7.4	3.4	1.54	54	.172			
JUN	86.911	2.897	3.675	8.600	52	9.6	81	3.6	113	8.5	92	9.0	3.7	1.78	51	.167			
JUL	91.218	2.943	4.722	9.000	66	6.8	89	5.4	110	3.6	96	9.7	4.5	1.78	60	.248			
AUG	90.520	2.920	3.718	7.900	73	5.6	92	6.1	118	6.2	94	10.1	3.9	1.94	50	.177			
SEP	144.841	4.828	8.388	11.000	51	5.3	89	6.6	128	5.9	95	17.6	4.1	1.90	53	.319			
OCT	146.987	4.742	7.632	9.200	27	7.0	74	2.9	60	6.6	89	7.8	1.9	1.20	36	.103			
NOV	88.074	2.936	3.661	5.600	72	10.5	85	5.4	71	5.7	91	5.7	3.7	1.82	50	.166			
DEC	114.916	3.707	6.708	7.200	63	10.5	83	6.0	95	7.0	92	10.1	3.9	1.30	66	.299			
TOTAL		1309.322						57.6				111.1				2.180			
AVERAGE			3.591			59	13.7	76		96	11.6	87		3.5	1.75	48			
MAXIMUM				8.388															
NO. OF SAMPLES																			
					24	26			24	26			24	26					



SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001453

SOUTHAMPTON WPCP

MUNICIPALITY : SOUTHAMPTON

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : OXIDATION DITCH

DESIGN POPULATION : 0
 POPULATION SERVED : 2,680
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 3.045 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<--- FLOW DATA ---><--- BIOCHEMICAL OXYGEN DEMAND ---><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	REDUCTION				REDUCTION				REDUCTION			
					INFLUENT MG/L	EFFLUENT MG/L	%	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	%	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	%	1000 KG
JAN/86-DEC/86																
JAN	30.780	.993	1.567	4.100	83	4.5	94	2.4	116	5.1	95	3.4	3.5	2.05	41	.045
FEB	24.615	.879	.977	3.100	76	7.1	90	1.6	147	9.7	93	3.3	3.7	2.55	31	.028
MAR	49.315	1.591	2.307	4.600	63	21.4	66	2.0	115	33.6	70	4.0	3.5	3.16	9	.017
APR	45.133	1.504	1.889	4.200	65	4.9	92	2.7	94	4.2	95	4.0	5.5	1.63	70	.175
MAY	40.543	1.308	2.443	5.000	53	5.4	89	1.9	111	6.8	93	4.2	2.9	2.14	26	.031
JUN	33.626	1.121	1.257	4.800	55	4.5	91	1.6	78	4.7	93	2.4	3.7	2.64	28	.036
JUL	37.556	1.211	1.433	4.800	121	1.7	98	4.4	134	2.4	98	4.9	6.1	3.70	39	.090
AUG	35.015	1.130	1.359	4.400	91	2.2	97	3.1	131	2.9	97	4.4	4.8	3.65	23	.040
SEP	37.732	1.258	1.886	6.700	95	2.9	96	3.4	121	5.5	95	4.3	5.6	3.18	43	.091
OCT	45.312	1.462	2.238	5.000	61	1.9	96	2.6	128	3.7	97	5.6	10.3	2.03	80	.375
NOV	29.576	.986	1.302	4.800	97	2.9	97	2.7	98	3.4	96	2.7	4.2	2.63	37	.046
DEC	31.440	1.014	1.196	3.300	104	3.7	96	3.1	148	5.7	96	4.4	5.1	2.53	50	.081

TOTAL

440.643

32.1

48.2

1.055

AVERAGE

1.205

80

5.2 92

118

7.3 93

4.9

2.65 40

MAXIMUM

2.443

NO. OF SAMPLES

23

24

52

24

23

24





WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000418

MARKDALE LAGOON

MUNICIPALITY : MARKDALE

**

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : AERATED LAGOON

PHOSPHORUS REMOVAL-CONTINUOUS

EXFILTRATION LAGOON

DESIGN POPULATION : 0

POPULATION SERVED : 1,204

PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.122 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA				---><-BIOCHEMICAL OXYGEN DEMAND-><---				SUSPENDED SOLIDS			TOTAL PHOSPHORUS		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	29.889	.964	3.170		193			224			7.4		
FEB	29.028	1.037	6.019		168			179			5.2		
MAR	53.457	1.724	3.928		113			149			4.7		
APR	22.087	.736	1.137		232			268			4.8		
MAY	19.149	.618	.924		218			370			8.6		
JUN	17.556	.585	.714		233			439			11.5		
JUL	17.593	.567	.746		281			381			14.6		
AUG	17.363	.560	.736		132			165			7.0		
SEP	23.925	.798	2.731		189			194			5.8		
OCT	23.992	.774	1.024		108			84			5.3		
NOV	18.707	.624	.957		197			186			9.7		
DEC	21.750	.782	.964		121			119			2.8		
TOTAL													
	294.496												
AVERAGE													
		.807			182		-	229		-	7.2		-
MAXIMUM													
			6.019										
NO. OF SAMPLES													
					39			39			39		

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000819

WIARTON LAGOON

MUNICIPALITY : WIARTON

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON CONTINUOUS
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 2,061
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 2.004 1000 M3

DESIGN BOD5 : 160.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<--- FLOW DATA

---><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	73.446	2.370	4.427	73.446	75	5.5		56	2.5		5.0	.48	
FEB	54.226	1.937	2.362	54.226	93	10.3		85	4.7		2.9	.54	
MAR	116.411	3.755	7.047	116.411	41	19.1		67	5.4		2.0	.73	
APR	76.490	2.550	3.606	76.490	23	10.8		39	47.2		2.2	.44	
MAY	65.466	2.112	4.838	65.466	25	6.7		33	15.5		1.3	.43	
JUN	52.852	1.762	2.364	52.852	77	7.1		70	8.9		4.0	.38	
JUL	50.166	1.618	2.377	50.166	79	2.7		138	3.2		5.0	.48	
AUG	46.735	1.508	1.721	46.735	78	3.9		65	4.5		4.3	.59	
SEP	68.112	2.270	5.137	68.112	89	1.4		73	2.5		4.1	.58	
OCT	83.415	2.691	4.860	83.415	27	5.0		26	1.1		1.8	.41	
NOV	51.928	1.731	1.945	51.928	108	5.5		57	6.6		6.6	.36	
DEC	66.164	2.134	2.877	66.164	77	6.9		97	6.7		3.8	.33	

TOTAL

805.411

805.411

AVERAGE

2.203

66 7.0 84

67 9.0 89

3.5 .47 83

MAXIMUM

7.047

NO. OF SAMPLES

12

12

12

12

12

12

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000828

WINGHAM LAGOON

MUNICIPALITY : WINGHAM

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON CONTINUOUS

DESIGN POPULATION : 0
 POPULATION SERVED : 2,896
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.604 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

---- FLOW DATA ----				----><--BIOCHEMICAL OXYGEN DEMAND--><----				SUSPENDED SOLIDS ----><----			TOTAL PHOSPHORUS ---->		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	62.690	2.020	3.020		77	14.4		96	8.2		2.7	2.16	
FEB	53.410	1.910	2.500		100	17.4		131	7.8		3.9	2.92	
MAR	106.980	3.450	5.590		84	14.5		172	9.2		2.1	2.12	
APR	83.650	2.790	3.640		99	15.1		68	13.9		2.7	2.38	
MAY	60.880	1.960	2.380		80	29.5		277	16.3		4.8	2.85	
JUN	60.670	2.020	2.920		94	14.0		80	6.5		5.8	2.18	
JUL	56.960	1.840	3.000		191	18.1		179	31.7		5.4	2.72	
AUG	68.230	2.200	3.380		131	23.0		192	45.0		5.8	2.16	
SEP	108.190	3.610	6.390		43	11.1		34	4.5		3.2	1.60	
OCT	91.000	2.940	3.730		50	25.2		52	16.1		3.3	1.08	
NOV	54.610	1.820	2.630		497	10.0		450	2.5		10.5	1.86	
DEC	68.220	2.200	2.660		122	13.6		119	3.6		5.9	2.62	
TOTAL													
	875.490												
AVERAGE													
		2.397			130	17.1	80	154	13.7	88	4.6	2.22	47
MAXIMUM													
			6.390										
NO. OF SAMPLES													
					12	12		12	12		12	12	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002407

EDGEWATER BEACH LAGOON

MUNICIPALITY : ANDERDON (EDGEWATER)
REGION : 01 SOUTHWESTERNTREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 1,200
POPULATION SERVED : 1,575
PERCENT SERVED : 131.2

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.613 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS			---><-- TOTAL PHOSPHORUS --->		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	13.490	.435		12.480	113	5.5		56	22.3		5.7	.17	
FEB	23.359	.834			96			52			6.4		
MAR	24.186	.780			90			111			6.5		
APR	17.627	.587		48.030	95	1.7		56	1.7		5.5	.08	
MAY	15.380	.496		94.860	140	1.5		197	5.1		6.6	.39	
JUN	24.798	.827			41			84			2.7		
JUL	19.823	.639			70			95			6.3		
AUG	13.862	.447			86			78			5.0		
SEP	15.920	.531		18.790	64	2.0		39	3.7		5.5	.70	
OCT	17.051	.550		32.492	50	1.5		194	5.3		4.5	.40	
NOV	15.837	.528		57.510	95	3.6		42	5.5		6.6	.18	
DEC	18.716	.604			51			105			5.1		
---TOTAL													
	220.049			264.162									
AVERAGE													
		.605			82	2.6	97	92	7.2	88	5.5	.32	94
MAXIMUM													
---NO. OF SAMPLES													
					12	40		12	40		12	40	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110003237

TARA LAGOON

MUNICIPALITY : ARRAN (TARA)
REGION : 01 SOUTHWESTERNTREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 1,085
POPULATION SERVED : 590
PERCENT SERVED : 54.3

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.650 1000 M3

DESIGN BOD5 : 247.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

-----		FLOW DATA		----><--BIOCHEMICAL OXYGEN DEMAND--><----				SUSPENDED SOLIDS		----><----		TOTAL PHOSPHORUS		---->	
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %		
JAN/86-DEC/86															
JAN	6.056	.195	.274		217			148				6.7			
FEB	4.881	.174	.208		210			279				11.8			
MAR	9.896	.319	.631		195			223				7.4			
APR	6.523	.217	.382		118	55.9		93	110.8			6.2	.88		
MAY	5.603	.181	.272		169			173				6.6			
JUN	4.928	.164	.192		172			150				7.8			
JUL	4.792	.155	.184		172			301				10.2			
AUG	5.192	.167	.208		140			130				7.6			
SEP	7.464	.249	.504		125			101				6.0			
OCT	7.296	.235	.384		96			104				4.8			
NOV	5.360	.179	.232		135	1.9		97	3.8			7.3	.30		
DEC	6.152	.198	.272		197			233				12.0			
TOTAL															
	74.143														
AVERAGE															
		.203			162	28.9	75	169	57.3	96		7.8	.59	90	
MAXIMUM															
			.631												
NO. OF SAMPLES															
					13	8		13	8			13	8		

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000891

AYLMER LAGOON

MUNICIPALITY : AYLMER

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 6,648
POPULATION SERVED : 5,300
PERCENT SERVED : 79.7

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 5.227 1000 M3

DESIGN BOD5 : 190.0 MG/L

DESIGN SUSP.SOLIDS : 145.0 MG/L

<--- FLOW DATA ---><---BIOCHEMICAL OXYGEN DEMAND---><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	153.100	5.300	7.770	248.000	376	7.6		237	4.3		9.8	2.30	
FEB	146.100	5.220	9.600	226.000	1045	13.6		636	9.4		8.0	3.26	
MAR	164.500	6.090	11.150	402.000	478	11.3		273	6.2		9.3	3.55	
APR	190.770	6.360	11.750	263.200	432	19.1		152	45.9		13.5	2.85	
MAY	107.784	3.477	4.293		102			102			16.9		
JUN	108.693	3.506	5.709		194			90			10.5		
JUL	82.600	2.753	2.936		80			91			4.9		
AUG	78.856	2.629	3.553		161			124			5.7		
SEP	77.577	2.586	8.302		199			146			8.3		
OCT	105.351	3.292	3.617		119			89			5.7		
NOV	74.568	2.663	4.186		247			101			8.9		
DEC	160.660	4.868	6.612	188.500	65	2.5		66	2.3		3.4	1.92	
TOTAL		1450.559		1327.700									
AVERAGE		4.062			291	10.8	97	175	13.6	92	8.7	2.77	64
MAXIMUM				11.750									
NO. OF SAMPLES					18	8		18	8		17	11	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002032

BELMONT LAGOON

MUNICIPALITY : BELMONT

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 1,550
POPULATION SERVED : 906
PERCENT SERVED : 58.4

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.563 1000 M3

DESIGN BOD5 : 270.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				----><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				----><---				TOTAL PHOSPHORUS			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			INFLUENT MG/L	EFFLUENT MG/L	%		INFLUENT MG/L	EFFLUENT MG/L	%		INFLUENT MG/L	EFFLUENT MG/L	%		INFLUENT MG/L	EFFLUENT MG/L	%	
					INFLUENT	EFFLUENT	REDUCTION																
JAN/86-DEC/86																							
JAN	11.460	.360	.840		113							113								6.6			
FEB	9.160	.330	.500		116							82								5.7			
MAR	16.780	.520	1.360		54							50								5.3			
APR	11.020	.380	.520		106	18.5						100	60.3							5.6	1.35		
MAY	8.830	.290	.400		121							211								6.3			
JUN	8.820	.280	.450		149							386								9.4			
JUL	8.010	.250	.320		80							93								5.5			
AUG	7.190	.260	.300		103							67								7.1			
SEP	10.110	.310	.650		67							62								5.1			
OCT	10.900	.360	.760		46							33								4.2			
NOV	9.180	.300	.590		75	3.6						37	5.0							6.3	.08		
DEC	14.150	.470	.690		67	2.3						57	3.4							5.8	.20		
TOTAL	125.610																						
AVERAGE		.343			91	8.1	91					107	22.9	73						6.0	.54	90	
MAXIMUM			1.360																				
NO. OF SAMPLES					23	9						23	9							23	9		

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 120001666

BLENHEIM LAGOON

MUNICIPALITY : BLENHEIM

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 4,000
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.950 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA ---><---BIOCHEMICAL OXYGEN DEMAND---><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	40.540	1.310			112			155			6.9		
FEB	43.540	1.550			88			169			11.7		
MAR	61.090	1.970		9.200	77	13.2		157	105.1		7.6	1.65	
APR	45.800	1.530		358.600	134	12.1		157	76.5		6.8	.57	
MAY	49.540	1.600			121			208			7.3		
JUN	44.390	1.480			124			122			7.4		
JUL	45.660	1.470			102			125			8.0		
AUG	44.770	1.440			84			116			5.9		
SEP	43.640	1.450		60.000	187	13.8		134	23.7		8.1	.30	
OCT	57.870	1.870		38.500	113	7.6		170	34.1		6.1	.50	
NOV	51.700	1.720		262.800	119	14.9		128	47.7		8.8	.73	
DEC	58.200	1.880			128			130			8.5		
TOTAL													
	586.740			729.100									
AVERAGE													
		1.606			115	12.3	89	147	57.4	61	7.7	.75	89
MAXIMUM													
NO. OF SAMPLES													
					13	19		13	19		13	19	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002087

MITCHELL'S BAY LAGOON

MUNICIPALITY : DOVER (MITCHELL'S BAY)

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 350
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.509 1000 M3

DESIGN BOD5 : 270.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS			---><--- TOTAL PHOSPHORUS		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	5.789	.187	.315		28			21			1.4		
FEB	5.366	.192	.275		37			48			1.6		
MAR	8.398	.271	.447		28			35			1.5		
APR	6.056	.202	.309		30	4.3		50	28.5		1.4	.12	
MAY	7.533	.243	.399		145			81			2.9		
JUN	12.587	.420	.639		27			35			2.0		
JUL	9.661	.312	.480		37			100			2.5		
AUG	7.577	.244	.315		158			124			4.8		
SEP	6.974	.232	.436		21			92			2.1		
OCT	20.166	.651	1.171		16			25			.9		
NOV	7.153	.238	.439		64	5.2		31	24.4		1.8	.10	
DEC	7.795	.251	.806		38			64			1.5		
TOTAL													
	105.055												
AVERAGE													
		.287			52	4.7	88	58	26.4	32	2.0	.11	92
MAXIMUM													
			1.171										
NO. OF SAMPLES													
					12	13		12	13		12	13	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001471 DUNDALK LAGOON

MUNICIPALITY : DUNDALK
REGION : 01 SOUTHWESTERNTREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 1,190
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.059 1000 M3

DESIGN BOD5 : 190.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<--- FLOW DATA				---><-BIOCHEMICAL OXYGEN DEMAND-><---				SUSPENDED SOLIDS			---><--- TOTAL PHOSPHORUS		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	31.564	1.018	1.621	182.610	116	2.8		203	79.2		5.5	.55	
FEB	23.156	.827	1.029	11.910	71	4.0		70	3.4		1.6	.56	
MAR	46.802	1.509	3.605	82.590	48	12.6		61	6.1		1.8	.39	
APR	33.900	1.130	1.961	25.593	48	5.4		78	8.4		2.7	.20	
MAY	24.199	.780	.988		19			88			2.8		
JUN	20.030	.667	.908		21			61			2.0		
JUL	20.786	.670	.782		24			77			1.8		
AUG	22.289	.719	.946		27			97			2.1		
SEP	49.740	1.658	4.553	8.580	19	3.1		38	91.4		4.6	.22	
OCT	41.602	1.342	2.800	86.508	23	1.8		34	3.9		2.8	.25	
NOV	20.321	.677	.880	62.319	93	1.7		98	3.5		4.6	.15	
DEC	21.386	.689	.827	67.866	20	1.5		90	3.1		2.2	.21	
TOTAL													
	355.775			527.976									
AVERAGE													
		.974			44	4.1	90	82	24.8	88	2.8	.31	87
MAXIMUM													
			4.553										
NO. OF SAMPLES													
					12	15		12	15		12	15	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001266

DUTTON LAGOON

MUNICIPALITY : DUTTON

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 809
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.336 1000 M3

DESIGN BOD5 : 270.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS			---><--- TOTAL PHOSPHORUS			---		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %				
JAN/86-DEC/86																				
JAN	14.106	.455	.478		130			132						8.0						
FEB	11.948	.427	.470																	
MAR	15.237	.462	.478																	
APR	13.086	.436	.454	19.440	156	13.7		144	74.1					6.0	.53					
MAY	13.620	.439	.454	29.160	160	20.1		97	185.6					9.6	2.12					
JUN	13.405	.447	.462		156			190						9.2						
JUL	13.445	.434	.462		35			27						3.1						
AUG	12.370	.399	.422		181			114						8.2						
SEP	13.086	.436	.455		208			175						9.5						
OCT	13.493	.435	.454	15.780	269	9.4		296	9.6					11.7	.27					
NOV	13.811	.460	.486	34.190	138	33.9		94	40.0					8.7	.81					
DEC	14.783	.477	.701		115			118						7.5						
TOTAL																				
	162.390			98.570																
AVERAGE																				
		.442			154	19.2	87	138	77.3	67				8.1	.93	89				
MAXIMUM																				
			.701																	
NO. OF SAMPLES																				
					10	17		10	17					10	17					

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000720

TAVISTOCK LAGOON

MUNICIPALITY : EAST ZORRA (TAVISTOCK)

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 2,273
POPULATION SERVED : 1,920
PERCENT SERVED : 84.4

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.772 1000 M3

DESIGN BOD5 : 20.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA				---><-BIOCHEMICAL OXYGEN DEMAND-><---				SUSPENDED SOLIDS			---><--- TOTAL PHOSPHORUS		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	29.730	.960	3.720		1653			608			22.3		
FEB	20.050	.720	.900		245			126			14.6		
MAR	36.040	1.160	2.520		217			130			6.7		
APR	28.370	.950	1.430		398	26.0		88	37.1		11.2	.97	
MAY	24.580	.790	1.610		538			200			12.2		
JUN	22.440	.750	1.320		108			67			5.4		
JUL	19.085	.640	.840		528			246			18.6		
AUG	19.060	.610	.830		501			394			33.7		
SEP	29.360	.980	2.430		1165			347			18.3		
OCT	35.640	1.150	1.870		449			265			8.5		
NOV	26.080	.870	1.820		1373	10.4		437	14.2		16.8	.70	
DEC	32.630	1.050	1.480		107	23.5		86	20.9		4.7	2.07	
TOTAL													
	323.065												
AVERAGE													
		.886			606	19.9	90	249	24.0	76	14.4	1.24	81
MAXIMUM													
			3.720										
NO. OF SAMPLES													
					12	17		12	17		12	17	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001738

OIL CITY LAGOON

MUNICIPALITY : ENNISKILLEN (OIL CITY)

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 220
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.181 1000 M3

DESIGN BOD5 : 270.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS --->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	1.970	.060	.150		207			207						14.0					
FEB	1.660	.050	.100		156			151						9.8					
MAR	2.760	.080	.430		106			93						5.2					
APR	2.040	.060	.120		135			131						5.9					
MAY	1.970	.060	.110		208			250						9.9					
JUN	1.830	.060	.140		158			66						7.1					
JUL	1.960	.060	.140		246			295						12.3					
AUG	1.640	.050	.070		129			94						9.7					
SEP	2.230	.070	.150		93			80						7.5					
OCT	2.270	.070	.140		134			78						7.9					
NOV	1.880	.060	.090		151			72						8.6					
DEC	2.370	.070	.120		119			68						7.1					
TOTAL	24.580																		
AVERAGE		.063			153		-	132		-				8.7		-			
MAXIMUM			.430																
NO. OF SAMPLES					24			24						24					

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000203

ESSEX LAGOON N.E.

MUNICIPALITY : ESSEX (N.E.)

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 2,525
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 2.886 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS ---><---				TOTAL PHOSPHORUS --->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	60.605	1.955	4.350		26			49						5.4					
FEB	67.121	2.397	4.318																
MAR	81.627	2.633	4.558		15			40						1.3					
APR	55.648	1.855	2.726	412.860	61	7.0		127	15.5					4.6	.14				
MAY	49.346	1.592	2.140		73			59						2.0					
JUN	66.684	2.223	5.529		83									2.7					
JUL	59.480	1.919	4.820		35			45						1.7					
AUG	54.240	1.750	3.326		52			17						.7					
SEP	65.120	2.171	3.759		43			111						3.3					
OCT	74.940	2.418	4.104	120.078	46	8.3		83	10.4					3.0	.26				
NOV	61.490	2.050	3.856	242.931	74	8.9		31	14.1					1.2	.27				
DEC	75.970	2.451	3.948					63						.7					
TOTAL																			
	772.271			775.869															
AVERAGE																			
		2.118			50	8.0	86	62	13.3	76				2.4	.22	88			
MAXIMUM																			
			5.529																
NO. OF SAMPLES																			
					12	41		12	41					13	41				

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000837 ESSEX LAGOON S.W.

MUNICIPALITY : ESSEX (S.W.)

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 3,750
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.527 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA ---><--- BIOCHEMICAL OXYGEN DEMAND ---><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	39.387	1.271	1.596		136			215			8.0		
FEB	34.941	1.248	1.896										
MAR	43.719	1.410	2.355		98			127			6.5		
APR	33.681	1.123	1.341	92.432	132	7.6		143	11.1		7.0	.21	
MAY	41.032	1.324	1.841		146			108			7.3		
JUN	48.064	1.602	2.391		134			150			5.9		
JUL	37.420	1.207	1.855		144			180			8.2		
AUG	40.450	1.305	1.493		143			475			7.8		
SEP	38.600	1.287	1.887		116			214			7.3		
OCT	52.050	1.679	2.182	23.351	120	8.0		155	11.2		9.8	.64	
NOV	33.480	1.116	1.437	95.351	194	18.5		131	16.3		9.9	.53	
DEC	34.320	1.107	1.618		99			128			4.3		
***TOTAL													
	477.144			211.134									
AVERAGE													
		1.307			132	11.3	92	184	12.8	90	7.4	.46	95
MAXIMUM													
			2.391										
- NO. OF SAMPLES													
					12	34		12	34		13	34	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000221

EXETER LAGOON MUN.OP.'87

MUNICIPALITY : EXETER

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 3,686
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 2.232 1000 M3

DESIGN BOD5 : 190.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---><-BIOCHEMICAL OXYGEN DEMAND-><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	72.110	2.320	6.100		139			273			5.8		
FEB	57.120	2.040	3.790		71			109			4.5		
MAR	124.300	4.000	9.850		77	6.8		147	4.7		4.3	2.50	
APR	76.830	2.560	4.600		121			123			4.2		
MAY	54.500	1.760	3.800		88			151			5.0		
JUN	67.800	2.260	5.200		112			121			5.4		
JUL	66.330	2.140	4.650		84			119			4.9		
AUG	52.560	1.700	2.240		245			327			7.5		
SEP	137.410	4.580	10.320		138			193			7.2		
OCT	168.280	5.430	17.670		16			9			1.6		
NOV	129.600	4.320	5.420		118	11.3		109	4.1		5.8	.34	
DEC	170.920	5.510	10.130		67			109			5.5		
TOTAL													
	1177.760												
AVERAGE													
		3.218			106	9.0	90	149	4.4	96	5.1	1.42	67
MAXIMUM													
			17.670										
NO. OF SAMPLES													
					12	2		12	2		12	2	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001346

FOREST LAGOON

MUNICIPALITY : FOREST

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 0

POPULATION SERVED : 2,590

PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.350 1000 M3

DESIGN BOD5 : 270.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS			---><--- TOTAL PHOSPHORUS		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	31.589	1.019	1.313		429			719			15.0		
FEB	28.690	1.024	1.131		250			296			7.8		
MAR	35.686	1.151	1.630		194			301			9.4		
APR	29.806	.993	1.272	124.940	416	39.5		831	129.9		10.3	1.69	
MAY	28.937	.993	1.131		166			185			4.5		
JUN	28.835	.961	1.231		90			77			3.9		
JUL	28.396	.916	1.000		132			159			5.3		
AUG	28.432	.917	1.045		185			309			6.9		
SEP	34.039	1.134	2.013		182			311			6.1		
OCT	35.593	1.148	1.645		51			92			3.5		
NOV	29.441	.981	1.109	160.800	261	18.3		249	59.7		10.0	2.52	
DEC	34.324	1.107	1.268		235			262			10.4		
TOTAL													
	373.768			285.740									
AVERAGE													
		1.029			215	28.9	91	315	94.8	80	7.7	2.10	79
MAXIMUM													
			2.013										
NO. OF SAMPLES													
					12	5		12	5		12	5	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001845

GLENCOE LAGOON

MUNICIPALITY : GLENCOE

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 1,800
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.945 1000 M3

DESIGN BOD5 : 270.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				----><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				----><-- TOTAL PHOSPHORUS			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	19.861	.641	.822		698			997						12.5					
FEB	19.013	.679	.778		278			228						9.8					
MAR	24.662	.796	1.020																
APR	18.100	.603	.740		129			106						7.0					
MAY	17.266	.557	.638		136	7.0		93	18.5					7.7	.34				
JUN	16.985	.566	.813		157			94						8.0					
JUL	17.370	.560	.781		142			81						7.5					
AUG	14.470	.467	.532		146			78						8.7					
SEP	16.560	.552	.651																
OCT	20.661	.666	.950		168			125						7.7					
NOV	18.088	.600	.880																
DEC	24.536	.791	.976																
--TOTAL																			
	227.572																		
AVERAGE																			
		.623			231	7.0	94	225	18.5	80				8.6	.34	95			
MAXIMUM																			
			1.020																
NO. OF SAMPLES																			
					11	4		11	4					11	4				

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002005

COTTAM LAGOON

MUNICIPALITY : GOSFIELD N. (COTTAM)
REGION : 01 SOUTHWESTERNTREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 600
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.677 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS			TOTAL PHOSPHORUS		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	8.669	.280	.353		88			88			5.8		
FEB	9.119	.326	.416										
MAR	11.525	.372	.555		69			51			5.1		
APR	9.652	.322	.514	52.350	110	11.2		76	28.6		7.0	.37	
MAY	8.583	.277	.311		34			26			3.1		
JUN	9.853	.328	.582		81			73			5.9		
JUL	8.500	.274	.315		30			22			2.9		
AUG	8.490	.274	.294		30			37			3.4		
SEP	9.410	.314	.465		30			31			4.4		
OCT	11.130	.359	.562	5.270	112	4.1		87	17.3		6.9	.20	
NOV	9.310	.310	.592	55.946	134	5.9		104	13.9		6.4	.24	
DEC	12.600	.407	.870		62			76			4.6		
TOTAL	116.841			113.566									
AVERAGE		.320			70	7.0	93	61	19.9	76	5.0	.27	96
MAXIMUM			.870										
NO. OF SAMPLES					13	13		13	13		13	13	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002103

HARROW LAGOON

MUNICIPALITY : HARROW

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 2,302
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.522 1000 M3

DESIGN BOD5 : 250.0 MG/L

DESIGN SUSP.SOLIDS : 250.0 MG/L

<---				FLOW DATA				---><-BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	34.326	1.107	1.478		91			125			5.1								
FEB	37.109	1.325	2.114		131			287			5.3								
MAR	43.803	1.413	2.259		199			312			6.7								
APR	36.538	1.218	1.450		171			621			6.8								
MAY	35.167	1.134	1.505	269.837	161	4.3		249	13.0		5.2	.72							
JUN	42.816	1.427	3.419		92			132			6.0								
JUL	34.977	1.128	1.218		130			210			6.9								
AUG	33.670	1.086	1.537		181			325			5.6								
SEP	43.215	1.441	3.561		127			157			5.6								
OCT	47.684	1.538	4.118	106.838	96	9.0		114	9.8		5.5	.17							
NOV	35.688	1.151	1.709	48.560	161	10.6		148	46.7		7.0	.50							
DEC	42.634	1.375	1.910		98			148			4.8								
TOTAL																			
	467.627			425.235															
AVERAGE																			
		1.279			136	7.9	93	235	23.1	84	5.8	.46	91						
MAXIMUM																			
			4.118																
NO. OF SAMPLES																			
					23	10		23	10		22	10							

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000855 LUCAN LAGOON

MUNICIPALITY : LUCAN
REGION : 01 SOUTHWESTERNTREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 1,573
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.372 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA ---><---BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	26.167	.844	2.947		120			176			7.1		
FEB	18.218	.651	1.101		136			170			6.1		
MAR	37.625	1.214	2.839		105			200			7.0		
APR	31.262	1.008	2.312	34.140	35	12.4		16	21.1		3.1	.46	
MAY	21.398	.690	1.429	21.200	136	14.4		155	30.6		8.3	.35	
JUN	20.430	.681	1.438		135			151			7.2		
JUL	17.077	.551	1.368		86			145			4.4		
AUG	15.994	.516	.764		146			172			6.5		
SEP	34.499	1.150	3.042		564			521			17.5		
OCT	38.347	1.237	3.106		40			80			3.7		
NOV	21.842	.728	1.515	46.200	123	7.7		148	6.2		6.5	.88	
DEC	34.170	1.103	2.272		121			137			7.5		
- TOTAL													
	317.029			101.540									
AVERAGE													
		.864			145	11.5	82	172	19.3	88	7.0	.56	89
MAXIMUM													
			3.106										
- NO. OF SAMPLES													
					12	10		12	10		12	10	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002461

PARKHILL LAGOON

MUNICIPALITY : MCGILLIVRAY (PARKHILL)

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 1,300
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.104 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---><<-BIOCHEMICAL OXYGEN DEMAND-><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	17.561	.566	.989		119			94			5.6		
FEB	20.924	.747	2.824		110			153			5.8		
MAR	42.689	1.377	7.012		77			144			6.1		
APR	17.501	.583	1.060	66.310	134	7.7		95	20.4		5.5	1.54	
MAY	15.091	.487	.617		163			280			9.6		
JUN	16.488	.549	2.271		196			197			7.9		
JUL	13.994	.451	.816		228			375			12.1		
AUG	17.595	.568	1.440		329			624			11.9		
SEP	19.902	.663	1.715		150			96			5.5		
OCT	29.048	.937	4.592	127.890	80	3.3		121	18.4		4.8	.38	
NOV	14.821	.494	.605		205			126			12.6		
DEC	25.377	.818	1.780		88			242			9.4		
TOTAL	250.991			194.200									
AVERAGE		.687			156	5.5	95	212	19.4	81	8.0	.96	82
MAXIMUM			7.012										
NO. OF SAMPLES					12	4		12	4		12	4	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000472

MITCHELL LAGOON

MUNICIPALITY : MITCHELL

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 4,125
POPULATION SERVED : 2,955
PERCENT SERVED : 71.6

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 3.564 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---><-BIOCHEMICAL OXYGEN DEMAND-><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	82.082	2.648	9.105		369			240			10.6		
FEB	57.519	2.054	3.640		732			415			15.9		
MAR	135.701	4.377	16.270		325			416			5.6		
APR	75.522	2.517	4.534		785	15.5		659	33.0		12.4	.56	
MAY	56.684	1.828	3.154		988			513			22.6		
JUN	60.772	2.026	4.332		1342			917			24.5		
JUL	56.502	1.823	4.164		853			596			19.1		
AUG	63.494	2.048	7.694		973			647			9.7		
SEP	126.462	4.215	19.166		1787			514			16.4		
OCT	110.920	3.578	8.574		361			344			7.0		
NOV	63.519	2.117	3.468		239	11.8		374	12.6		7.0	.64	
DEC	84.720	2.733	3.526		208	11.5		412	16.3		8.6	.65	

TOTAL
973.897

AVERAGE

2.664

746 12.9 95

503 20.6 95

13.2 .61 92

MAXIMUM

19.166

NO. OF SAMPLES

21 11

21 11

21 11

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002443

NEUSTADT LAGOON

MUNICIPALITY : NORMANBY (NEUSTADT)

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 451
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.418 1000 M3

DESIGN BOD5 : 157.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---		FLOW DATA			---><--BIOCHEMICAL OXYGEN DEMAND--><---			SUSPENDED SOLIDS			---><--- TOTAL PHOSPHORUS			---		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																
JAN	4.347	.140	.218		142			247						7.6		
FEB	3.384	.121	.134		146			202						8.4		
MAR	5.172	.162	.260		127			211						7.6		
APR	4.672	.156	.180		70			82						4.6		
MAY	3.575	.115	.168		141			247						9.1		
JUN	3.152	.105	.124		153			250						10.2		
JUL	3.368	.109	.184		123			169						7.7		
AUG	3.352	.108	.124		169			296						11.1		
SEP	6.349	.212	.905		115			61						7.3		
OCT	5.399	.174	.264		88			112						6.2		
NOV	3.808	.127	.166	35.574	195	2.7		167	3.1					8.8	.85	
DEC	5.017	.162	.187		120			170						8.1		
TOTAL		51.595		35.574												
AVERAGE			.141		132	2.7	98	184	3.1	98		8.0	.85	90		
MAXIMUM				.905												
NO. OF SAMPLES					23	6		23	6			23	6			

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001480

NORWICH LAGOON

MUNICIPALITY : NORWICH

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 2,156
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.995 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS			---><--- TOTAL PHOSPHORUS		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	27.515	.888	1.711		159			227			6.0		
FEB	24.159	.863	1.209		87			120			4.5		
MAR	40.954	1.321	3.021		96			89			5.4		
APR	30.490	1.016	1.552		94			143			4.8		
MAY	24.758	.799	1.535		166	3.6		308	2.0		6.9	.40	
JUN	21.044	.701	1.065		194	15.7		329	5.1		8.6	.27	
JUL	19.096	.616	.981		176			245			8.1		
AUG	19.275	.622	1.096		320			1160			8.3		
SEP	22.547	.752	2.547		114			124			6.5		
OCT	29.601	.955	2.281		73	14.6		113	26.9		3.9	.60	
NOV	22.671	.756	1.730		208	15.4		289	37.8		11.6	.55	
DEC	36.141	1.166	1.978		105			1017			5.8		
TOTAL													
	318.251												
AVERAGE													
		.871			149	12.3	90	347	17.9	90	6.7	.45	92
MAXIMUM													
			3.021										
NO. OF SAMPLES													
					12	7		12	7		12	7	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001373

PORT STANLEY LAGOON

MUNICIPALITY : PORT STANLEY
REGION : 01 SOUTHWESTERNTREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 2,416
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.495 1000 M3

DESIGN BOD5 : 243.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA ---><---BIOCHEMICAL OXYGEN DEMAND---><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	36.830	1.150	1.800		41			35			2.4		
FEB	37.100	1.330	1.790		16			29			1.0		
MAR	50.020	1.560	2.160		37			36			2.0		
APR	41.660	1.440	1.650		96	14.9		86	29.3		3.7	.87	
MAY	43.980	1.470	1.730		115	16.6		61	22.2		4.8	.38	
JUN	44.930	1.450	1.740		272			224			6.1		
JUL	47.150	1.470	1.890		187			160			5.9		
AUG	42.100	1.500	1.760		360			261			7.5		
SEP	44.260	1.340	1.720		160			133			5.7		
OCT	38.910	1.300	1.820		73	11.7		54	15.8		4.8	.91	
NOV	25.240	.810	.980		302	11.1		139	26.0		7.9	1.08	
DEC	38.100	1.270	1.930		49			171			2.6		
TOTAL													
490.280													
AVERAGE													
		1.341			142	13.5	87	115	23.3	70	4.5	.81	83
MAXIMUM													
			2.160										
NO. OF SAMPLES													
					23	52		23	52		23	52	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001364

RIDGETOWN LAGOON

MUNICIPALITY : RIDGETOWN

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 3,152
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.336 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA				----<--BIOCHEMICAL OXYGEN DEMAND-->----				SUSPENDED SOLIDS			---->---- TOTAL PHOSPHORUS		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	31.390	1.010	1.200		131			181			7.8		
FEB	30.860	1.100	1.600		106			134			6.0		
MAR	39.280	1.300	1.700		82			124			5.6		
APR	33.110	1.100	1.200	103.150		24.3			52.6			.73	
MAY	31.270	1.000	2.000	96.600	118	16.7		143	23.0		3.6	.85	
JUN	29.700	.990	1.300		276			473			11.9		
JUL	27.820	.900	1.100		118			210			6.7		
AUG	26.280	.850	.920		135			212			7.1		
SEP	25.900	.860	.990		180			211			9.4		
OCT	30.840	.990	1.200	199.800	186	27.3		200	43.1		9.6	.85	
NOV	27.830	.930	1.200	10.750	228	37.6		232	52.9		12.9	1.30	
DEC	33.700	1.100	1.400		130			177			7.5		
TOTAL	367.980			410.300									
AVERAGE		1.011			153	26.4	84	208	42.9	79	8.0	.93	85
MAXIMUM			2.000										
NO. OF SAMPLES					11	14		11	14		11	14	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001667

RODNEY LAGOON

MUNICIPALITY : RODNEY

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 1,016
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.540 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				----<--BIOCHEMICAL OXYGEN DEMAND-->----				SUSPENDED SOLIDS				----<-- TOTAL PHOSPHORUS ---->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	13.498	.435	.529		536			1252			6.2								
FEB	12.800	.457	.515		258			99			4.6								
MAR	15.363	.495	.840		287			176			4.9								
APR	13.883	.463	.553	58.270	376	44.4		81	154.2		7.4	2.15							
MAY	17.588	.567	.908		24			76			5.9								
JUN	22.304	.743	1.735		38			192			9.1								
JUL	69.673	2.247	3.138		80			82			5.7								
AUG	35.324	1.140	3.195		99			140			3.5								
SEP	12.928	.430	.528		32			44			4.7								
OCT	15.417	.497	.627	67.980	460	22.9		186	176.4		6.8	1.74							
NOV	13.267	.442	.591		165			157			10.1								
DEC	15.968	.515	.711		450			179			11.3								
TOTAL																			
	258.013			126.250															
AVERAGE																			
		.703			233	33.6	91	222	165.3	5	6.6	1.94	72						
MAXIMUM																			
			3.195																
NO. OF SAMPLES																			
					12	9		12	9		12	9							

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001989 BRIGHT'S GROVE LAGOON

MUNICIPALITY : SARNIA (BRIGHT'S GROVE)
REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 0
POPULATION SERVED : 2,500
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.759 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

FLOW DATA				---<--BIOCHEMICAL OXYGEN DEMAND-->----				SUSPENDED SOLIDS			TOTAL PHOSPHORUS		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	30.000	.970	1.260		74			102			5.3		
FEB	27.400	.980	1.350		85			83			6.7		
MAR	38.500	1.240	1.850		62			189			3.9		
APR	35.700	1.190	1.330		139	4.0		362	104.6		7.1	2.40	
MAY	29.700	.099	1.330		128	11.9		151	30.2		8.2	2.55	
JUN	32.100	1.070	1.550		138			113			8.3		
JUL	30.200	.974	1.160		105			160			7.3		
AUG	32.890	1.060	1.330		147			171			7.6		
SEP	41.000	1.370	1.900		116			114			7.2		
OCT	40.500	1.260	1.900		83			54			5.6		
NOV	30.500	1.090	1.260		128			102			7.0		
DEC	39.100	1.260	1.350		83			92			7.9		
TOTAL													
	407.590												
AVERAGE													
		1.047			107	7.9	93	141	67.4	75	6.8	2.47	67
MAXIMUM													
			1.900										
NO. OF SAMPLES													
					13	3		13	3		13	3	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001177

SEAFORTH LAGOON

MUNICIPALITY : SEAFORTH

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 2,120
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.013 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				----><-BIOCHEMICAL OXYGEN DEMAND-><----				SUSPENDED SOLIDS ----><----				TOTAL PHOSPHORUS ---->			
TOTAL VOLUME		AVG DAY	MAX DAY	T.VOL.TO	REDUCTION			REDUCTION			REDUCTION								
DATE	1000 M3	1000 M3 /DAY	1000 M3 /DAY	W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%						
JAN/86-DEC/86																			
JAN	54.360	1.750	6.680		64			95						4.4					
FEB	39.190	1.400	1.930		92			161						3.8					
MAR	89.230	2.880	8.220		52	14.0		149	7.6					3.3 .77					
APR	58.620	1.950	2.660		47	12.9		59	22.2					2.1 .32					
MAY	51.060	1.650	3.090		114			150						3.1					
JUN	42.210	1.410	2.050		170			155						3.0					
JUL	31.930	1.030	1.880		125			147						4.2					
AUG	36.680	1.180	4.290		28			94						.9					
SEP	80.280	2.680	9.190		21	1.8		85	5.4					1.2 .48					
OCT	76.080	2.450	7.940		42	2.8		34	2.0					1.3 .36					
NOV	42.160	1.410	2.240		81	11.9		60	9.3					2.8 .40					
DEC	57.970	1.870	2.760		80	16.6		75	156.6					4.7 3.05					
TOTAL																			
659.770																			
AVERAGE																			
		1.805					76	10.0	82	105	33.8	85	2.9	.89 69					
MAXIMUM																			
			9.190																
NO. OF SAMPLES																			
						14	25					14	25						

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001694

PORT LAMBTON LAGOON

MUNICIPALITY : SOMBRA (PORT LAMBTON)

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 900
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.081 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---

FLOW DATA

---><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	29.384	.947	1.808		61			71			2.7		
FEB	15.310	.546	.713		73			62			3.3		
MAR	19.098	.616	1.471		96			131			6.3		
APR	14.122	.470	.612		110	5.3		102	29.3		5.1	.53	
MAY	13.162	.425	.694										
JUN	15.918	.530	.967		58			89			6.5		
JUL	13.683	.441	.598		103			136			6.5		
AUG	14.337	.462	.714		133			149			6.9		
SEP	15.680	.522	1.157		149			181			8.0		
OCT	25.432	.820	1.846		84			46			3.4		
NOV	12.397	.413	.508		230			227			8.3		
DEC	17.901	.577	1.145		104			104			6.0		

TOTAL

206.424

AVERAGE

.564

109

5.3 95

118

29.3 71

5.7

.53 89

MAXIMUM

1.846

NO. OF SAMPLES

12

6

13

6

13

6

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001685

SOMBRA LAGOON

MUNICIPALITY : SOMBRA (SOMBRA)
REGION : 01 SOUTHWESTERNTREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 382
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.968 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				---><-BIOCHEMICAL OXYGEN DEMAND->---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS --->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	7.560	.243	.306		101			101						6.2					
FEB	5.701	.204	.257		74			55						4.0					
MAR	7.885	.243	.608		102			111						6.3					
APR	5.874	.195	.294		89	6.1		85	17.1					4.6	.23				
MAY	5.371	.173	.242		131			119						10.1					
JUN	5.930	.197	.395		174			232						9.1					
JUL	5.760	.185	.277		96			79						6.4					
AUG	5.360	.172	.204		103			82						7.0					
SEP	5.856	.195	.279		92			68						6.0					
OCT	6.908	.222	.366		83			62						5.7					
NOV	5.894	.196	.720		99			73						7.7					
DEC	7.663	.247	.338		98			79						6.1					
TOTAL																			
	75.762																		
AVERAGE																			
		.206			103	6.1	93	95	17.1	79				6.6	.23	95			
MAXIMUM																			
			.720																
NO. OF SAMPLES																			
					14	6		14	6					14	6				

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002452

GRAND BEND LAGOON

MUNICIPALITY : STEPHEN (GRAND BEND)

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 3,060
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.895 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA -----<---BIOCHEMICAL OXYGEN DEMAND-->----- SUSPENDED SOLIDS -----<--- TOTAL PHOSPHORUS ----->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	22.283	.719	1.308		71			59			3.5		
FEB	17.484	.624	.817		68			84			3.1		
MAR	26.744	.863	2.134		158			209			5.9		
APR	25.143	.838	1.100	178.605	250	13.0		203	249.6		7.3	.63	
MAY	31.562	1.018	1.418		101			153			3.8		
JUN	35.546	1.185	1.584		133			106					
JUL	45.210	1.458	1.789		219			156			8.5		
AUG	48.881	1.577	1.894		240			73			6.9		
SEP	43.965	1.466	3.195		148			88			3.8		
OCT	34.238	1.104	1.696		146			172			2.6		
NOV	22.113	.737	.896	146.340	90	4.6		207	47.4		4.6	.19	
DEC	27.819	.897	1.273		72			55			4.5		
TOTAL		380.988			324.945								
AVERAGE			1.041		141	8.8	94	130	148.5	77	4.9	.41	93
MAXIMUM				3.195									
NO. OF SAMPLES					12	7		12	7		11	7	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002345

STONEY POINT P.V. LAGOON

MUNICIPALITY : TILBURY N (STONEY POINT)
REGION : 01 SOUTHWESTERNTREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 1,263
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.959 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---		FLOW DATA			----<--BIOCHEMICAL OXYGEN DEMAND-->----					SUSPENDED SOLIDS		---->---- TOTAL PHOSPHORUS ---->				
DATE	TOTAL	AVG DAY	MAX DAY	T.VOL.TO	REDUCTION			REDUCTION			REDUCTION					
	VOLUME	1000 M3	1000 M3	W/COURSE	INFLUENT	EFFLUENT		INFLUENT	EFFLUENT		INFLUENT	EFFLUENT				
	1000 M3	/DAY	/DAY	1000 M3	MG/L	MG/L	%	MG/L	MG/L	%	MG/L	MG/L	%			
JAN/86-DEC/86																
JAN	31.339	1.011	1.751		29			42				1.7				
FEB	32.745	1.169	2.255													
MAR	48.069	1.551	4.442		43			63				2.9				
APR	36.507	1.217	1.974	217.180	35	11.6		45	16.4			2.8	.48			
MAY	35.144	1.134	1.511	109.210	39	5.6		168	17.8				.50			
JUN	47.800	1.593	3.531													
JUL	41.391	1.335	2.522		15			25				1.6				
AUG	30.506	.984	1.257													
SEP	33.702	1.123	2.846		27			16				2.8				
OCT	60.764	1.960	6.411	203.800	15	11.7		17	33.5			1.9	.83			
NOV	32.790	1.093	1.093													
DEC	36.270	1.170	1.170													
TOTAL	467.027			530.190												
AVERAGE		1.278			29	9.6	58	53	22.5	76		2.2	.60 69			
MAXIMUM			6.411													
NO. OF SAMPLES					10	12		10	12			9	12			

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001676

COMBER LAGOON

MUNICIPALITY : TILBURY WEST (COMBER)

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 780
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.404 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS --->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	9.113	.294	.885		154			270			9.3								
FEB	10.437	.373	1.137																
MAR	15.302	.494	2.025		57			97			4.1								
APR	9.748	.325	.550	97.410	174	9.7		145	25.2		8.0	.91							
MAY	8.046	.260	.381																
JUN	10.862	.362	1.043																
JUL	7.348	.237	.479		94			103			5.9								
AUG	5.966	.192	.260																
SEP	8.072	.269	.568		102			76			6.8								
OCT	10.924	.352	.757	34.000		29.3			19.0		.72								
NOV	8.447	.282	.675																
DEC	13.085	.422	.894																
TOTAL																			
	117.350			131.410															
AVERAGE																			
		.322			116	19.5	94	138	22.1	82	6.8	.81	88						
MAXIMUM																			
			2.025																
NO. OF SAMPLES																			
					8	9		8	9		8	8							

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001809

WATFORD LAGOON

MUNICIPALITY : WATFORD

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 1,434
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.050 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA ---><---BIOCHEMICAL OXYGEN DEMAND---><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	14.862	.479	.812		103			76			7.1		
FEB	13.474	.481	.779		174			138			8.0		
MAR	17.479	.564	1.444		116			75			6.6		
APR	15.490	.516	.737		121			118			5.2		
MAY	14.410	.465	.686		110	25.1		88	307.5		6.5	2.15	
JUN	15.568	.519	2.067		132			112			7.3		
JUL	12.951	.418	.650		139			65			6.6		
AUG	12.942	.417	.540		190			228			7.6		
SEP	15.172	.506	.914		116			64			7.3		
OCT	15.884	.512	.840		110			67			7.6		
NOV	13.556	.451	.720		138			110			8.3		
DEC	16.587	.535	1.254		106			50			6.2		

TOTAL
178.375

AVERAGE
.489 129 25.1 77 99 307.5 - 7.0 2.15 66

MAXIMUM
2.067

NO. OF SAMPLES

24 3 24 3 23 3

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001337

WEST LORNE LAGOON

MUNICIPALITY : WEST LORNE

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 1,220
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.677 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS			---><--- TOTAL PHOSPHORUS		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	18.387	.593	.928		65			45			3.7		
FEB	17.985	.642	.998		43			86			3.0		
MAR	23.342	.753	1.295										
APR	18.299	.610	.750	53.195	60	14.1		85	22.6		3.0	.26	
MAY	18.202	.587	.713	43.667	95	18.7		89	43.2		5.1	.45	
JUN	18.040	.601	.974		81			113			4.5		
JUL	15.304	.493	.899		109			149			5.3		
AUG	15.479	.499	.771		202			307			7.2		
SEP	19.195	.640	1.703		186			202			8.4		
OCT	22.292	.719	1.252	20.394	80	7.1		50	3.7		3.2	.17	
NOV	18.379	.613	1.004	77.211	129	15.4		61	209.8		5.9	1.19	
DEC	23.137	.746	1.056		163			221			7.3		
TOTAL													
	228.041			194.467									
AVERAGE													
		.625			110	13.8	84	128	69.8	72	5.1	.51	89
MAXIMUM													
			1.703										
NO. OF SAMPLES													
					11	22		11	22		11	22	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001444

ZURICH LAGOON

MUNICIPALITY : ZURICH

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 0

POPULATION SERVED : 800

PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.440 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				----><--BIOCHEMICAL OXYGEN DEMAND-><----				SUSPENDED SOLIDS				----><--- TOTAL PHOSPHORUS				---->			
TOTAL VOLUME		AVG DAY	MAX DAY	T.VOL.TO	REDUCTION				REDUCTION				REDUCTION										
DATE	1000 M3	1000 M3 /DAY	1000 M3 /DAY	W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%							
JAN/86-DEC/86																							
JAN	16.348	.527	.975		93			224						6.6									
FEB	12.422	.443	.522		112			189						5.5									
MAR	20.903	.674	1.394		41			206						4.8									
APR	12.740	.424	.537	45.240	147	5.8		206	12.4					8.0	.11								
MAY	13.544	.437	.520		45			135						6.9									
JUN	13.772	.459	.740		130			162						10.2									
JUL	15.441	.498	.686		176			191						6.7									
AUG	13.752	.444	.695		165			219						9.2									
SEP	18.413	.575	1.993		88			78						5.7									
OCT	17.325	.559	.857		100			142						5.0									
NOV	14.336	.477	.592	59.530	125	10.2		147	19.8					11.6	1.22								
DEC	17.447	.563	.848		174			283						9.1									
TOTAL																							
	186.443			104.770																			
AVERAGE																							
		.507			116	8.0	93	181	16.1	90				7.4	.66	94							
MAXIMUM																							
			1.993																				
NO. OF SAMPLES																							
					12	6		12	6					12	6								



WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000926

HENSALL LAGOON

MUNICIPALITY : HENSALL

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON ANNUAL

DESIGN POPULATION : 0

POPULATION SERVED : 1,000

PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.622 1000 M3

DESIGN BOD5 : 270.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---><-BIOCHEMICAL OXYGEN DEMAND-><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	16.078	.519	.898										
FEB	14.047	.502	.640		88			232			7.4		
MAR	20.629	.665	1.213		25			141			4.2		
APR	16.245	.542	.640	82.173	86	13.2		81	24.6		4.9	.36	
MAY	15.109	.487	.556	20.923	127	6.2		201	8.6		8.9	.80	
JUN	14.313	.477	.588		77			89			6.0		
JUL	15.441	.498	.858		69			143			7.5		
AUG	15.563	.502	.873		44			77			4.2		
SEP	22.109	.737	2.046		132			81			8.0		
OCT	19.594	.632	1.095		86			102			5.9		
NOV	14.429	.481	.566	106.820	55	2.7		94	5.2		4.3	1.19	
DEC	17.291	.558	.745		79			83			6.5		
TOTAL	200.848			209.916									
AVERAGE		.550			78	7.3	91	120	12.8	86	6.1	.78	85
MAXIMUM			2.046										
NO. OF SAMPLES					11	11		11	11		11	11	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002023

BRIGDEN P.V. LAGOON

MUNICIPALITY : MOORE (BRIGDEN)

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON ANNUAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 641
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.336 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA ---><---BIOCHEMICAL OXYGEN DEMAND---><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	6.061	.195	.457		222			189			11.2		
FEB	4.856	.173	.219		209			337			8.0		
MAR	6.829	.220	.480		210			841			11.4		
APR	5.795	.193	.275		185			158			9.5		
MAY	5.294	.170	.197		173	2.3		125	4.8		9.0	2.59	
JUN	6.326	.210	.595		144			126			7.4		
JUL	4.707	.151	.209		155			169			9.7		
AUG	5.070	.163	.212		204			190			9.5		
SEP	5.875	.196	.283		243			235			12.8		
OCT	6.526	.210	.286		171			152			8.7		
NOV	5.007	.166	.227		254			206			9.3		
DEC	6.948	.224	.303		193			211			11.6		

TOTAL
69.294AVERAGE
.189 196 2.3 98 244 4.8 96 9.8 2.59 71MAXIMUM
.595

NO. OF SAMPLES

15 5 15 5 13 5

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001998

OIL SPRINGS LAGOON

MUNICIPALITY : OIL SPRINGS

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON ANNUAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 760
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.272 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---><---BIOCHEMICAL OXYGEN DEMAND---><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	5.611	.181	.648		114			116			7.9		
FEB	4.846	.173	.274		87			105			7.3		
MAR	7.171	.231	.820		71			146			4.3		
APR	5.304	.176	.348		225			356			10.3		
MAY	5.203	.167	.243		102			124			7.5		
JUN	5.036	.167	.351		121			74			8.0		
JUL	4.979	.160	.247		140			103			8.3		
AUG	4.668	.150	.195		116			107			9.7		
SEP	5.431	.181	.338		105			278			7.0		
OCT	6.119	.197	.354		106			84			7.7		
NOV	5.040	.168	.241		161			158			10.2		
DEC	6.251	.201	.339		103			101			8.3		
TOTAL													
	65.659												
AVERAGE													
		.179			120		-	146		-	8.0		-
MAXIMUM													
			.820										
NO. OF SAMPLES													
					24			24			24		

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000935

MERLIN PV LAGOON

MUNICIPALITY : RALEIGH TILBURY E(MERLIN
REGION : 01 SOUTHWESTERNTREATMENT FACILITY : CONVENTIONAL LAGOON ANNUAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 523
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.463 1000 M3

DESIGN BOD5 : 110.0 MG/L

DESIGN SUSP.SOLIDS : 110.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS --->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	6.093	.196	.329		128			119						6.7					
FEB	5.864	.209	.387		205			237						8.2					
MAR	6.935	.223	.437		165			133						7.8					
APR	6.478	.215	.337		804	1.4		783	15.7		10.0	.46							
MAY	5.139	.165	.293		525			470			28.5								
JUN	6.046	.201	.327		175			151			7.6								
JUL	5.118	.165	.304		115			74			9.7								
AUG	4.776	.154	.261		276			375			12.3								
SEP	5.412	.180	.309		192			97			9.0								
OCT	6.306	.203	.386		188			115			8.0								
NOV	5.182	.172	.322		263			173			10.1								
DEC	6.448	.208	.400		191	3.4		110	116.7		9.1	.33							
TOTAL																			
	69.797																		
AVERAGE																			
		.191			268	2.4	99	236	66.2	97	10.5	.39	95						
MAXIMUM																			
			.437																
NO. OF SAMPLES																			
					12	4		12	4		12	4							

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002336

THEDFORD LAGOON

MUNICIPALITY : THEDFORD

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON ANNUAL

DESIGN POPULATION : 0

POPULATION SERVED : 661

PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.481 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				---<--BIOCHEMICAL OXYGEN DEMAND-->----				SUSPENDED SOLIDS				--->---- TOTAL PHOSPHORUS --->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	4.935	.159	.382		115			105						5.8					
FEB	5.882	.210	.282		88			86						5.0					
MAR	17.245	.556	2.873		86			115						6.9					
APR	5.910	.197	.273		138			179						8.0					
MAY	4.959	.159	.227		102			95						7.4					
JUN	5.489	.182	.268		110			132						5.8					
JUL	7.973	.257	.432		139			146						7.6					
AUG	9.914	.320	.473		449			5260						9.1					
SEP	11.921	.397	2.564		151			178						8.1					
OCT	6.127	.198	.291		41			85						4.4					
NOV	4.651	.155	.209	89.470	125	12.4		91	65.3					9.4	.69				
DEC	7.136	.230	.986		122			148						7.5					
TOTAL																			
	92.142			89.470															
AVERAGE																			
		.252			138	12.4	90	551	65.3	28				7.0	.69	92			
MAXIMUM																			
			2.873																
NO. OF SAMPLES																			
					12	2		12	2					12	2				



WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002096

MCGREGOR LAGOON

MUNICIPALITY : ANDERDON (MCGREGOR)

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : LAGOON AND SPRAY
SEASONAL DISCHARGEDESIGN POPULATION : 1,766
POPULATION SERVED : 1,448
PERCENT SERVED : 81.9

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.568 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				---><-BIOCHEMICAL OXYGEN DEMAND-><---				SUSPENDED SOLIDS				---><---- TOTAL PHOSPHORUS ---->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	14.809	.478	1.416		124			154						7.6					
FEB	18.277	.653	2.177		119			119						5.9					
MAR	21.035	.679	2.457		119			142						6.7					
APR	13.572	.452	.652		130			146						7.3					
MAY	12.169	.393	.515		142			150						7.5					
JUN	14.721	.491	1.053		151			161						8.3					
JUL	12.828	.414	.919		142			185						9.8					
AUG	11.601	.374	.555		140			147						9.2					
SEP	15.512	.517	1.117	36.003	168			116	8.7					8.9					
OCT	16.727	.540	1.656		119	5.5		156	8.7					6.9	.34				
NOV	12.056	.402	1.300	58.571	158	7.7		105	6.2					8.2	.20				
DEC	14.318	.462			118			121						7.3					
TOTAL																			
	177.625			94.574															
AVERAGE																			
		.488			135	6.6	95	141	7.8	93				7.8	.27	96			
MAXIMUM																			
			2.457																
NO. OF SAMPLES																			
					21	7		21	8					21	7				



AERATED CELL PLUS LAGOON

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110003022

PLATTSVILLE LAGOON

MUNICIPALITY : BLANDFORD-BLENHEIM(PLAT)

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : AERATED CELL PLUS LAGOON
SEASONAL DISCHARGE
PHOSPHORUS REMOVAL - BATCH

DESIGN POPULATION : 0
POPULATION SERVED : 540
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.595 1000 M3

DESIGN BOD5 : 982.0 MG/L

DESIGN SUSP.SOLIDS : 402.0 MG/L

<--- FLOW DATA ---><---BIOCHEMICAL OXYGEN DEMAND---><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION			
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	
JAN/86-DEC/86														
JAN	8.475	.273	.390		58			89				3.7		
FEB	7.272	.260	.383		28			33				2.3		
MAR	9.578	.309	.470		88			102				4.0		
APR	7.865	.262	.419		181	19.7		239	64.7			8.0	.99	
MAY	7.097	.229	.354		13			121				4.4		
JUN	6.749	.225	.455		452			147				2.5		
JUL	6.420	.207	.304		72			151				3.3		
AUG	7.828	.253	.360		45			86				2.7		
SEP	9.534	.318	.679		212			253				5.5		
OCT	11.081	.357	.712		52	17.7		122	77.4			3.0	1.80	
NOV	10.111	.337	.745		126			245				6.5		
DEC	10.244	.330	.621		135			245				12.8		

TOTAL
102.254

AVERAGE
.280 121 18.7 77 152 71.0 54 4.8 1.39 63

MAXIMUM
.745

NO. OF SAMPLES

12 5 12 5 12 5

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000864

KINCARDINE LAGOON

MUNICIPALITY : KINCARDINE

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : AERATED CELL PLUS LAGOON
CONTINUOUS DISCHARGEDESIGN POPULATION : 10,000
POPULATION SERVED : 5,401
PERCENT SERVED : 54.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 5.909 1000 M3

DESIGN BOD5 : 130.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS			---><--- TOTAL PHOSPHORUS --->		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	64.610	2.080	4.140		90	15.3		86	9.6		5.9	3.80	
FEB	51.720	1.670	4.310		116	14.5		165	10.3		6.0	3.56	
MAR	146.370	4.720	6.850										
APR	69.720	2.250	2.860		96	22.0		95	15.3		4.8	2.66	
MAY	69.880	2.250	5.250		92	12.4		116	7.7		6.4	5.30	
JUN	60.360	2.010	3.190		127	26.1		186	32.4		7.8	1.10	
JUL	66.300	2.140	5.070		161	8.1		174	5.5		8.3	2.42	
AUG	61.070	1.970	2.800		118	12.0		162	8.3		6.4	2.55	
SEP	112.310	3.740	9.610		118	6.0		162	6.5		6.4	2.00	
OCT	98.350	3.170	7.050										
NOV	72.500	2.420	3.740		39	4.2		17	4.5		1.8	.90	
DEC	81.560	2.630	3.450		58	3.7		75	4.3		2.9	.80	
TOTAL													
	954.750												
AVERAGE													
		2.588			101	12.4	87	123	10.4	89	5.6	2.60	53
MAXIMUM													
			9.610										
NO. OF SAMPLES													
					10	11		10	11		10	11	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000409

LISTOWEL LAGOON CONT DIS (SUMMER SPRAY)

MUNICIPALITY : LISTOWEL

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : AERATED CELL PLUS LAGOON
LAGOON AND SPRAY
PHOSPHORUS REMOVAL-CONTINUOUS

DESIGN POPULATION : 0
POPULATION SERVED : 4,554
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 4.918 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA					---><--BIOCHEMICAL OXYGEN DEMAND--><---			SUSPENDED SOLIDS ---><---			TOTAL PHOSPHORUS --->		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	187.976	6.064	10.229	74.980	235	29.6		157	14.7		3.4	1.16	
FEB	158.408	5.657	7.455		291			157			4.5		
MAR	247.896	7.997	11.092	115.621	157	33.6		228	19.4		2.6	1.26	
APR	199.481	6.649	8.774	566.029	197	21.0		308	21.1		3.5	.80	
MAY	174.242	5.621	7.592		225			129			3.2		
JUN	161.748	5.392	9.818		336			209			3.9		
JUL	129.060	4.163	6.137		252			237			3.8		
AUG	131.107	4.229	9.047		117			107			5.3		
SEP	238.484	7.949	10.774	235.484	350	15.9		202	41.0		2.7	.75	
OCT	248.122	8.003	10.456	162.965	295			241			4.3		
NOV	190.842	6.361	8.819	450.330	468	6.6		360	9.7		3.4	.51	
DEC	188.341	6.076	8.819	357.620	283	10.6		216	17.2		3.3	.86	
TOTAL													
	2255.707			1963.029									
AVERAGE													
		6.180			267	19.5	90	212	20.5	90	3.6	.89	70
MAXIMUM													
			11.092										
NO. OF SAMPLES													
					21	36		21	36		21	36	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001890

THORNBURY LAGOON (SUMMER STORAGE)

MUNICIPALITY : THORNBURY

REGION : 01 SOUTHWESTERN

TREATMENT FACILITY : AERATED CELL PLUS LAGOON

DESIGN POPULATION : 0
 POPULATION SERVED : 1,758
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

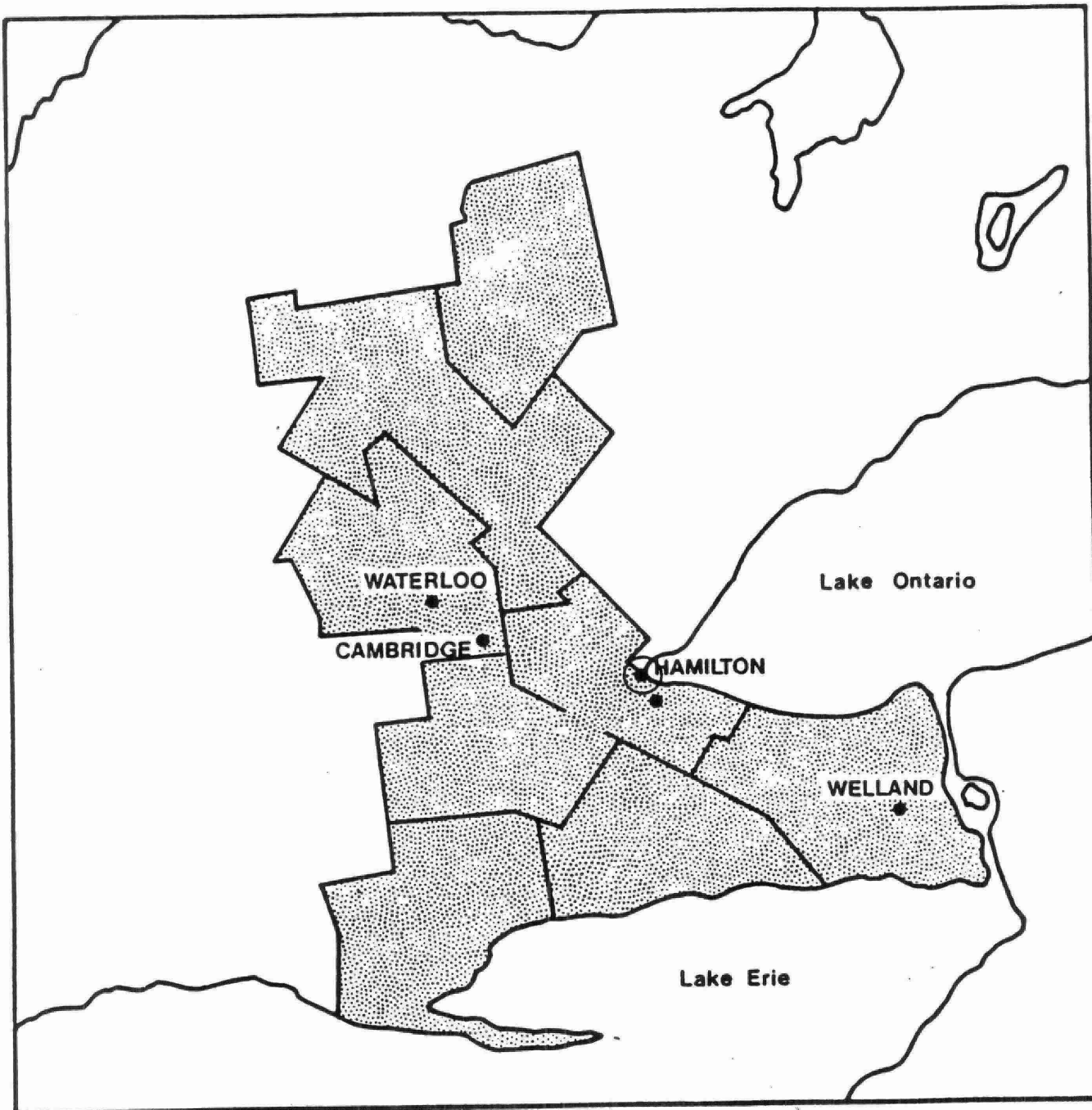
DESIGN CAPACITY : 1.727 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA ---><---BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	39.743	1.282	2.660	39.743	29	1.9		86	4.7		1.1	.76	
FEB	29.980	1.071	1.286	29.980	27	2.7		43	5.8		2.2	1.06	
MAR	56.054	1.808	3.567	117.424	5	4.1		37	4.7		1.8	1.12	
APR	48.761	1.625	2.215	29.777	23	8.7		20	26.7		.9	.64	
MAY	37.029	1.194	1.669	16.084	64	2.6		57	11.8		3.4	.64	
JUN	30.567	1.019	1.341		15			15			1.1		
JUL	34.620	1.117	2.055		11			13			1.8		
AUG	33.608	1.084	1.271		16			14			1.5		
SEP	64.817	2.161	4.712	64.817	40			50			1.8		
OCT	64.008	2.065	3.268	64.008	31	2.4		31	2.3		1.7	2.35	
NOV	33.938	1.131	1.408	33.938	60	2.0		25	5.9		2.3	1.00	
DEC	43.053	1.398	1.892	43.353	18	2.0		28	2.1		1.8	.72	
TOTAL		516.178		439.124									
AVERAGE			1.413		28	3.3	79	34	8.0	87	1.7	1.03	49
MAXIMUM				4.712									
NO. OF SAMPLES					18	23		18	24		18	21	



WEST CENTRAL REGION (2)

REGIONAL OFFICE

HAMILTON

119 King St. W.

P.O. Box 2112

811-521-7640

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000604

PORT DOVER WPCP

MUNICIPALITY : NANTICOKE (PORT DOVER)

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : PRIMARY
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 4,857
POPULATION SERVED : 3,475
PERCENT SERVED : 71.5

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 4.091 1000 M3

DESIGN BOD5 : 210.0 MG/L

DESIGN SUSP.SOLIDS : 296.0 MG/L

<--- FLOW DATA ---><---BIOCHEMICAL OXYGEN DEMAND---><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG
JAN/86-DEC/86																
JAN					112	52.2	53		195	23.3	88		5.0	1.03	79	
FEB	94.540	3.380	6.240	12.000	114	20.8	81	8.8	166	11.9	92	14.5	4.4	.28	93	.390
MAR	157.590	5.084	11.450	22.000	81	17.4	78	10.0	141	15.2	89	19.8	3.7	.59	84	.490
APR	157.590	5.250	9.680	12.000	140	27.3	80	17.7	204	16.7	91	29.5	5.0	.44	91	.719
MAY	85.300	2.750	6.350	14.000	150	46.9	68	8.7	292	19.7	93	23.2	7.0	.42	94	.561
JUN	84.200	2.800	4.900	20.000	135	15.9	88	10.0	195	10.5	94	15.5	5.1	.25	95	.408
JUL	77.680	2.505			121	21.8	81	7.7	234	14.9	93	17.0	6.4	.28	95	.475
AUG	88.910	2.870			822	35.1	95	69.9	864	27.3	96	74.3	16.4	.78	95	1.389
SEP	74.810	2.490	6.260	20.000	472	61.7	86	30.6	103	23.1	77	5.9	10.6	.65	93	.744
OCT	123.810	3.990	9.060	14.000	77	144.0	-	-	118	65.6	44	6.4	4.3	4.00	6	.037
NOV	109.190	3.639	10.240	20.000	84	24.7	70	6.4	131	21.9	83	11.9	3.8	1.20	68	.284
DEC	153.630	4.960	10.950	20.000	30	5.2	82	3.8	107	6.8	93	15.3	2.4	.12	95	.350
TOTAL	1207.250							174.0				233.8				5.847
AVERAGE		3.611			194	39.4	79		229	21.4	86		6.1	.83	82	
MAXIMUM			11.450													
NO. OF SAMPLES					22	22			22	22			20	22		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000043

BRANTFORD WPCP

MUNICIPALITY : BRANTFORD

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 105,000
POPULATION SERVED : 73,000
PERCENT SERVED : 69.5

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 84.101 1000 M3

DESIGN BOD5 : 180.0 MG/L

DESIGN SUSP.SOLIDS : 240.0 MG/L

<--- FLOW DATA

---><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG
JAN/86-DEC/86																
JAN	1485.600	47.900	65.900		194	12.0	93	270.3	203	9.8	95	287.0	6.0	.67	88	7.918
FEB	1372.300	49.000	57.600		189	8.0	95	248.3	244	8.0	96	323.8	7.6	.63	91	9.565
MAR	1731.500	55.900	67.300		192	11.0	94	313.4	220	9.0	95	365.3	6.1	.80	86	9.177
APR	1644.000	54.800	60.100		183	9.0	95	286.0	215	7.8	96	340.6	5.6	.90	83	7.727
MAY	1617.700	52.200	60.700		214	9.0	95	331.6	239	8.2	96	373.3	6.3	.82	86	8.865
JUN	1734.600	57.800	68.000		181	11.0	93	294.8	220	10.2	95	363.9	6.4	.97	84	9.419
JUL	1738.500	56.100	62.800		169	8.0	95	279.8	262	7.7	97	442.1	6.5	.89	86	9.753
AUG	1745.400	56.300	66.400		248	17.4	92	402.4	209	10.0	95	347.3	6.7	1.03	84	9.896
SEP	1698.000	56.600	70.900		194	15.0	92	303.9	249	14.4	94	398.3	5.9	.97	83	8.371
OCT	1602.300	51.700	59.000		200	13.6	93	298.6	241	14.1	94	363.5	5.5	.84	84	7.467
NOV	1380.600	46.000	36.100		226	16.0	92	289.9	219	14.0	93	283.0	6.1	.71	88	7.441
DEC	1424.300	45.900	53.700		206	16.0	92	270.6	195	11.0	94	262.0	5.5	.74	86	6.780
TOTAL		19174.800						3590.2				4150.5				102.379
AVERAGE			52.517		199	12.1	93		226	10.3	95		6.1	.83	86	
MAXIMUM				70.900												
NO. OF SAMPLES					99	97			253	254			98	194		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000276

GALT WPCP

MUNICIPALITY : CAMBRIDGE (GALT)

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 44,966
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 38.641 1000 M3

DESIGN BOD5 : 250.0 MG/L

DESIGN SUSP.SOLIDS : 250.0 MG/L

<---				FLOW DATA				---><-BIOCHEMICAL OXYGEN DEMAND-><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG
JAN/86-DEC/86																			
JAN	893.212	28.813	33.180	58.200	142	17.7	87	111.0	145	18.1	87	113.3	5.2	.78	85	3.948			
FEB	833.691	29.770	39.280	67.800	186	14.3	92	143.1	155	17.9	88	114.2	5.9	.77	86	4.277			
MAR	1020.860	32.931	45.310	90.900	167	23.0	86	147.0	179	18.5	89	163.8	5.7	.88	84	4.921			
APR	851.811	28.394	35.730	65.900	157	26.8	82	110.9	171	19.3	88	129.2	5.5	.83	84	3.978			
MAY	976.444	31.500	36.580	90.800	160	23.4	85	133.3	163	13.4	91	146.0	4.8	.76	84	3.945			
JUN	905.199	30.173	37.890	86.600	301	7.6	97	265.5	275	13.3	95	236.8	5.8	.75	87	4.571			
JUL	870.936	28.095	34.330	113.700	178	8.9	95	147.2	191	9.9	94	157.7	5.1	.60	88	3.919			
AUG	855.075	27.583	33.180	62.300	136	9.5	93	108.1	174	15.0	91	135.9	5.9	.62	89	4.515			
SEP	964.670	32.156	47.060	93.200	147	15.9	89	126.4	166	32.9	80	128.3	5.2	1.04	80	4.013			
OCT	988.105	31.874	41.020	72.000	148	11.9	91	134.4	209	27.6	86	179.2	5.9	.76	87	5.079			
NOV	878.069	29.269	37.600	68.200	173	12.4	92	141.0	194	20.4	89	152.4	6.1	.68	88	4.759			
DEC	934.453	30.144	37.690	73.640	173	12.2	92	150.2	187	17.9	90	158.0	5.8	.71	87	4.756			
TOTAL	10972.525							1718.7				1815.4				52.681			
AVERAGE		30.059			172	15.3	90		184	18.6	89		5.5	.76	86				
MAXIMUM			47.060																
NO. OF SAMPLES					124	122			233	339			111	263					

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000622

PRESTON WPCP

MUNICIPALITY : CAMBRIDGE (PRESTON)

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 19,673
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 16.865 1000 M3

DESIGN BOD5 : 470.0 MG/L

DESIGN SUSP.SOLIDS : 470.0 MG/L

<---		FLOW DATA			---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				---	
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG		
JAN/86-DEC/86																		
JAN	296.914	9.578	12.076	20.000					614	86.0	85	156.7		5.7	2.20	61	1.039	
FEB	254.192	9.078	11.722	18.800	508	27.0	94	122.2	532	36.0	93	126.0		5.7	1.90	66	.966	
MAR	286.046	9.227	10.951	21.700	543	15.6	97	150.8	453	13.2	97	125.8		4.8	.45	90	1.244	
APR	267.952	8.932	11.576	20.000	631	14.3	97	165.2	530	20.3	96	136.5		6.5	.38	94	1.640	
MAY	256.151	8.262	11.013	21.000	658	13.0	98	165.2	710	11.3	98	178.9		6.1	.40	93	1.460	
JUN	232.141	7.738	10.618	31.500	834	8.4	98	191.6	425	6.6	98	97.1		6.7	.44	93	1.453	
JUL	247.087	7.970	9.390	30.000	783	7.6	99	191.5	497	10.2	97	120.2		7.7	.74	90	1.720	
AUG	250.730	8.090	14.450	23.000	451	6.7	98	111.3	490	7.6	98	120.9		5.5	.53	90	1.246	
SEP	297.060	9.900	16.090	35.000	464	6.1	98	136.0	376	11.1	97	108.3		5.1	.62	87	1.331	
OCT	318.150	10.260	13.660	31.500	591	8.6	98	185.2	844	11.4	98	264.8		4.6	.41	91	1.333	
NOV	268.950	8.970	12.100	21.000	759	17.3	97	199.4	574	23.4	95	148.0		5.9	.68	88	1.404	
DEC	269.370	8.690	11.000	23.400	559	21.3	96	144.8	385	52.3	86	89.6		4.4	1.07	75	.897	
TOTAL		3244.743						1763.8				1673.5					15.733	
AVERAGE			8.891			616	13.2	97		535	24.1	95		5.7	.81	85		
MAXIMUM				16.090														
NO. OF SAMPLES						50	48			303	303			48	50			

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 120001425

DELHI WPCP

MUNICIPALITY : DELHI

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 6,499
POPULATION SERVED : 3,839
PERCENT SERVED : 59.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 3.182 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 190.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS --->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
							%			%			%			%			%
JAN/86-DEC/86																			
JAN	55.210	1.780	2.410	4.720	166	15.6	90	8.3	170	9.1	94	8.8	6.3	.27	95	.333			
FEB	59.570	2.130	2.620	5.450	127	9.7	92	6.9	173	9.8	94	9.7	5.6	.38	93	.311			
MAR	63.300	2.040	2.550	6.360	125	6.0	95	7.5	186	6.8	96	11.3	6.0	.70	88	.335			
APR	66.430	2.210	2.580	5.270	136	16.0	88	7.9	120	9.2	92	7.3	6.7	.14	97	.436			
MAY	71.170	2.300	3.150	5.450	107	13.0	87	6.6	103	10.4	89	6.5	7.0	.26	96	.480			
JUN	66.080	2.020	2.570	6.360	143	7.0	95	8.9	138	6.0	95	8.7	7.3	.12	98	.474			
JUL	64.630	2.080	2.600	6.360	112	4.8	95	6.9	139	6.5	95	8.5	6.4	.06	99	.410			
AUG	67.410	2.180	2.890	6.360	133	14.8	88	7.9	182	4.4	97	11.9	7.7	.06	99	.515			
SEP	63.700	2.120	2.690	6.360	157	11.7	92	9.2	153	9.2	93	9.1	8.2	.16	98	.512			
OCT	72.570	2.340	3.280	7.800	111	24.0	78	6.3	147	8.3	94	10.0	6.6	.18	97	.466			
NOV	71.260	2.380	3.100	5.810	111	12.4	88	7.0	128	6.8	94	8.6	9.8	.89	90	.635			
DEC	73.740	2.380	2.700	5.810	99	11.0	88	6.4	98	8.6	91	6.5	5.9	.21	96	.420			
TOTAL	795.070							90.4				107.6				5.327			
AVERAGE		2.163			127	12.1	90		144	7.9	94		6.9	.28	95				
MAXIMUM			3.280																
NO. OF SAMPLES					12	12			12	12			12	12					

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 120001443

DUNNVILLE WPCP

MUNICIPALITY : DUNNVILLE

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 12,363
POPULATION SERVED : 5,471
PERCENT SERVED : 44.2

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 7.728 1000 M3

DESIGN BOD5 : 182.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<---				FLOW DATA				----><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				----><--- TOTAL PHOSPHORUS ---->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																			
JAN	147.900	4.800	10.800	11.400	166	6.6	96	23.5	187	11.0	94	26.0	2.8	.46	83	.346			
FEB	140.600	5.000	8.000	11.400	46	30.9	32	2.1	157	11.7	92	20.4	3.2	.79	75	.339			
MAR	197.100	6.360	10.700	12.700	166	6.8	95	31.3	201	14.1	92	36.8	3.0	.59	80	.475			
APR	168.300	5.610	7.900	11.400	41	9.7	76	5.2	182	16.4	90	27.8	3.1	.60	80	.421			
MAY	138.500	4.500	7.000	9.000	41	24.0	41	2.3	166	37.8	77	17.7	3.0	.70	76	.319			
JUN	125.900	4.200	5.400	10.000	84	5.2	93	9.9	171	12.6	92	19.9	3.8	.81	78	.376			
JUL	136.900	4.420	7.500	11.400	67	4.2	93	8.5	165	19.2	88	19.9	5.2	.99	80	.576			
AUG	148.600	4.790	6.500	11.400	84	5.9	92	11.6	210	22.5	89	27.8	5.2	.89	82	.640			
SEP	148.300	4.940	8.600	10.900	1335	8.8	99	196.6	231	9.7	95	32.8	5.7	.87	84	.716			
OCT	196.900	6.350	11.200	11.400	544	28.3	94	101.5	307	85.6	72	43.5	5.9	.93	84	.979			
NOV	161.200	5.370	7.400	11.400	576	86.1	85	78.9	281	73.0	74	33.5	5.7	.99	82	.759			
DEC	196.400	6.340	11.000	13.200	87	7.6	91	15.5	163	18.4	88	28.3	5.3	.95	82	.854			
TOTAL								487.6				335.0				6.800			
AVERAGE																			
		5.223			269	18.6	82		201	27.6	87		4.3	.79	81				
MAXIMUM																			
			11.200																
NO. OF SAMPLES																			
					25	24			199	212			207	202					

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000249

FERGUS WPCP

MUNICIPALITY : FERGUS

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 6,050
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 5.000 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<---		FLOW DATA			---><--BIOCHEMICAL OXYGEN DEMAND-><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				---	
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG		
JAN/86-DEC/86																		
JAN	114.700	3.700	5.700	7.300	100	12.1	87	10.0	145	31.4	78	13.0	5.7	.71	87	.572		
FEB	92.700	3.310	3.600	5.100	151	15.5	89	12.5	177	29.4	83	13.6	6.5	.66	89	.541		
MAR	148.400	4.780	6.600	7.500	57	13.0	77	6.5	67	23.7	64	6.4	3.0	.55	81	.364		
APR	134.500	4.340	5.300	6.800	79	12.5	84	8.9	75	21.1	71	7.2	4.5	.67	85	.515		
MAY	115.900	3.740	5.000	6.600	90	4.6	94	9.8	77	18.0	76	6.8	5.2	.60	88	.533		
JUN	114.500	3.820	4.700	7.300	129	5.2	95	14.1	103	11.4	88	10.4	5.2	.70	86	.515		
JUL	109.500	3.530			106	17.8	83	9.6	90	17.6	80	7.9	7.0	.59	91	.702		
AUG	124.400	4.013	7.100	8.700	88	5.1	94	10.3	47	18.6	60	3.5	2.9	.55	81	.292		
SEP	209.600	6.987	8.800	9.000	53	11.1	79	8.7	66	15.9	75	10.5	4.5	.52	88	.834		
OCT	191.500	6.177	9.400	9.400	77	4.2	94	13.9	74	21.9	70	9.9	3.9	.51	86	.649		
NOV	131.700	4.390	5.300	6.200	106	6.1	94	13.1	104	18.2	82	11.3	5.3	.45	91	.639		
DEC	138.900	4.481	5.200	6.700	140	4.9	96	18.7	104	15.7	84	12.2	1.9	.46	75	.200		
TOTAL		1626.300						136.8				113.2				6.356		
AVERAGE			4.439		98	9.3	89		94	20.2	76		4.6	.58	86			
MAXIMUM				9.400														
NO. OF SAMPLES					20	21			18	269			19	383				

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 120001452

CALEDONIA WPCP

MUNICIPALITY : HALDIMAND (CALEDONIA)
REGION : 02 WEST-CENTRALTREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 4,332
POPULATION SERVED : 4,237
PERCENT SERVED : 97.8

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 2.273 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

-----><---				FLOW DATA				----><--><--BIOCHEMICAL OXYGEN DEMAND-><---				SUSPENDED SOLIDS				----><--><-- TOTAL PHOSPHORUS ---->			
TOTAL VOLUME		AVG DAY	MAX DAY	PEAK RT	REDUCTION				REDUCTION				REDUCTION						
DATE	1000 M3	1000 M3 /DAY	1000 M3 /DAY	1000 M3 /DAY	INFLUENT	EFFLUENT	%	1000	INFLUENT	EFFLUENT	%	1000	INFLUENT	EFFLUENT	%	1000			
					MG/L	MG/L		KG	MG/L	MG/L		KG	MG/L	MG/L		KG			
JAN/86-DEC/86																			
JAN	65.750	2.121	3.700	4.550	256	13.9	94	15.9	231	26.1	88	13.4	8.9	.81	90	.532			
FEB	57.344	2.048	3.440	4.550	129	18.6	85	6.3	172	20.9	87	8.6	5.7	.50	91	.298			
MAR	90.660	2.925	5.070	4.555	52	30.5	41	1.9	91	40.8	55	4.5	4.4	.44	90	.359			
APR	74.310	2.477	4.250	4.550	200	5.1	97	14.4	282	9.6	96	20.2	6.4	.39	93	.447			
MAY	70.350	2.269	4.790	4.550	94	21.9	76	5.0	102	8.5	91	6.5	3.5	.30	91	.225			
JUN	60.360	2.012	2.590	4.550	124	14.4	88	6.6	222	9.3	95	12.8	6.4	.30	95	.368			
JUL	62.600	2.019	4.020	4.550	116	3.4	97	7.0	127	7.6	94	7.4	6.2	.47	92	.359			
AUG	57.570	1.857	2.560	4.550	134	3.8	97	7.4	136	12.0	91	7.1	6.9	.50	92	.368			
SEP	76.440	2.548	4.690	4.550	138	11.7	91	9.6	117	21.8	81	7.2	4.5	1.16	74	.255			
OCT	72.740	2.346	4.290	4.550	175	8.0	95	12.1	175	13.6	92	11.7	6.3	.53	91	.420			
NOV	63.540	2.118	4.550	4.570	193	6.3	96	11.8	179	14.8	91	10.4	6.3	.52	91	.367			
DEC	83.650	2.698	4.240	4.550	125	14.4	88	9.2	137	19.0	86	9.8	6.0	.87	85	.429			
TOTAL		835.314						107.8				120.2				4.427			
AVERAGE			2.287		144	12.6	87		164	17.0	87		5.9	.56	90				
MAXIMUM				5.070															
NO. OF SAMPLES					24	24			24	24			24	23					

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000374

KITCHENER WPCP

MUNICIPALITY : KITCHENER

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 138,271
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 122.742 1000 M3

DESIGN BOD5 : 275.0 MG/L

DESIGN SUSP.SOLIDS : 300.0 MG/L

<--- FLOW DATA

---><---BIOCHEMICAL OXYGEN DEMAND---><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME	AVG DAY	MAX DAY	PEAK RT	INFLUENT	EFFLUENT	REDUCTION	1000	INFLUENT	EFFLUENT	REDUCTION	1000	INFLUENT	EFFLUENT	REDUCTION	1000
	1000 M3	1000 M3 /DAY	1000 M3 /DAY	1000 M3 /DAY												
JAN/86-DEC/86																
JAN	1777.622	57.941	74.418	122.740	171	4.9	97	295.2	254	4.9	98	442.8	7.9	.56	92	13.048
FEB	1630.423	58.229	74.191	118.200	230	6.2	97	364.8	255	5.6	97	406.6	7.7	.77	90	11.299
MAR	2170.533	70.017	118.923	163.800	215	8.2	96	448.8	201	6.8	96	421.5	6.8	.66	90	13.327
APR	1996.740	66.558	83.419	100.100	258	7.7	97	499.7	222	5.0	97	433.2	6.5	.66	89	11.661
MAY	1995.010	64.355	89.556	154.700	252	13.9	94	475.0	236	4.0	98	462.8	6.6	.79	88	11.591
JUN	1820.445	60.682	79.419	131.830	266	16.2	93	454.7	231	4.6	98	412.1	6.6	.87	86	10.431
JUL	1736.073	56.002	75.191	127.290	281	13.6	95	464.2	251	4.1	98	428.6	6.5	.82	87	9.861
AUG	1668.520	53.823	77.464	118.200	250	16.1	93	390.2	266	4.4	98	436.4	6.9	.88	87	10.044
SEP	1949.096	64.970	118.696	186.430	225	17.2	92	405.0	235	5.2	97	447.9	6.0	.68	88	10.369
OCT	2169.465	69.983	85.647	131.830	233	14.8	93	473.3	223	6.2	97	470.3	6.2	.58	90	12.192
NOV	2046.339	68.211	91.972	131.420	222	11.1	95	431.5	233	6.2	97	464.1	5.5	.53	90	10.170
DEC	2201.400	71.013	93.353	115.560	190	15.0	92	385.2	211	5.1	97	453.2	5.9	.65	88	11.557
TOTAL					5088.2				5279.9				135.550			
AVERAGE		63.482				232	12.0	94			234	5.1	97	6.5	.70	89
MAXIMUM			118.923													
NO. OF SAMPLES					93	110					255	272		133	149	

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000542

ORANGEVILLE WPCP

MUNICIPALITY : ORANGEVILLE

**

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
 PHOSPHORUS REMOVAL-CONTINUOUS
 EFFLUENT POLISHING

DESIGN POPULATION : 0
 POPULATION SERVED : 15,300
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 14.547 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 250.0 MG/L

<---				FLOW DATA				----><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				----><--- TOTAL PHOSPHORUS			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																			
JAN	225.800	7.300	11.500		197	3.0	98	43.8	166	2.8	98	36.8	6.2	.23	96	1.348			
FEB	190.900	6.810	7.900		170	2.2	98	32.0	159	3.8	97	29.6	7.2	.26	96	1.325			
MAR	330.600	10.700	17.800		112	2.4	97	36.2	121	3.8	96	38.7	5.0	.28	94	1.560			
APR	298.500	9.950	12.400		150	1.4	99	44.3	209	4.1	98	61.1	7.3	.19	97	2.122			
MAY	250.800	8.100	10.200		146	4.2	97	35.5	141	3.8	97	34.4	3.7	.18	95	.883			
JUN	232.500	7.500	10.400		130	4.3	96	29.2	124	2.3	98	28.2	6.7	.15	97	1.523			
JUL	245.600	7.920	12.700		140	1.1	99	34.1	129	1.9	98	31.2	6.0	.12	98	1.444			
AUG	279.950	9.030	16.640		103	.8	99	28.6	115	1.9	98	31.6	5.9	.13	97	1.615			
SEP	415.840	13.860	21.230		138	1.3	99	56.8	195	2.4	98	80.0	9.2	.15	98	3.763			
OCT	371.700	11.990	17.800		101	1.6	98	36.9	183	2.1	98	67.2	5.3	.26	95	1.873			
NOV	245.500	8.180	9.300		131	2.0	98	31.6	176	2.2	98	42.6	9.9	.21	97	2.379			
DEC	240.600	7.800	8.600		186	5.9	96	43.3	165	2.9	98	39.0	10.6	.22	97	2.497			
TOTAL								452.7				520.9				22.332			
AVERAGE																			
		9.095			142	2.5	98		156	2.8	98		6.9	.19	96				
MAXIMUM																			
			21.230																
NO. OF SAMPLES																			
					63	24			56	335			24	336					

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001088

PALMERSTON WPCP

MUNICIPALITY : PALMERSTON

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE

DESIGN POPULATION : 0
 POPULATION SERVED : 2,050
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.681 1000 M3

DESIGN BOD5 : 176.0 MG/L

DESIGN SUSP.SOLIDS : 160.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				----			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG			
JAN/86-DEC/86																							
JAN					177	44.0	75		117	33.3	71					6.4	2.15	66					
FEB					315	64.0	79		217	45.7	78					8.3	4.35	47					
MAR					41	43.0	-		35	27.8	20					3.0	2.18	27					
APR	83.700	2.790	7.819	11.138	106	40.0	62	5.5	48	25.0	47	1.9	7.6										
MAY					84	16.0	80		131	22.0	83		3.6	1.52	57								
JUN					187	37.4	80		105	20.0	80		3.9	3.46	11								
JUL					296	87.4	70		207	62.1	70		16.8	8.65	48								
AUG					340	94.0	72		230	89.2	61		9.9	5.90	40								
SEP					585	172.0	70		198	208.0	-		3.3	2.35	28								
OCT					89	24.0	73		81	18.3	77		4.2	1.86	55								
NOV					218	80.2	63		192	94.8	50		6.2	5.10	17								
DEC					170	61.0	64		126	18.8	85		7.3	3.00	58								
TOTAL									5.5				1.9										
AVERAGE																							
					2.790				217				63.5				71						
MAXIMUM					7.819																		
NO. OF SAMPLES									12				12				12						
																	11						

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000677

SIMCOE WPCP

MUNICIPALITY : SIMCOE

**

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
 PHOSPHORUS REMOVAL-CONTINUOUS
 EFFLUENT POLISHING

DESIGN POPULATION : 22,844
 POPULATION SERVED : 11,961
 PERCENT SERVED : 52.3

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 15.456 1000 M3

DESIGN BOD5 : 220.0 MG/L

DESIGN SUSP.SOLIDS : 230.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				---												
	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG																
DATE																																
JAN/86-DEC/86																																
JAN	264.858	8.544	11.002		138	13.5	90	32.9	111	.6	99	29.2	5.3	.84	84	1.181																
FEB	235.465	8.409	10.282		240	4.0	98	55.5	229	2.7	98	53.2	5.9	.80	86	1.201																
MAR	300.914	9.707	14.090		231	1.5	99	69.0	158	4.5	97	46.1	4.7	.76	83	1.186																
APR	299.209	9.974	12.758		503	5.6	98	148.8	184	5.8	96	53.3	5.5	.77	86	1.415																
MAY	282.877	9.125	11.609		272	6.7	97	75.0	154	2.6	98	42.8	6.4	.71	88	1.610																
JUN	270.102	9.003	11.375		252	1.8	99	67.5	153	1.9	98	40.8	5.9	.76	87	1.388																
JUL	265.571	8.567	11.336		394	2.9	99	103.8	428	2.2	99	113.0	13.3	.78	94	3.325																
AUG	260.114	8.391	10.324		447	1.9	99	115.7	536	1.7	99	138.9	8.4	.72	91	1.998																
SEP	304.045	10.135	13.959		160	2.1	98	48.0	89	2.5	97	26.3	5.2	.80	84	1.338																
OCT	285.539	9.211	19.096		152	2.0	98	42.8	82	.9	98	23.1	4.9	.82	83	1.165																
NOV	275.103	9.170	13.568		274	2.2	99	74.7	243	1.5	99	66.4	5.3	.72	86	1.260																
DEC	327.155	10.553	15.283		119	4.2	96	37.5	83	1.5	98	26.6	5.4	.78	85	1.511																
TOTAL					871.8				660.2				18.578																			
AVERAGE																																
					9.232				265				4.0 97				204				2.3 98				6.3				.77 86			
MAXIMUM					19.096																											
NO. OF SAMPLES																																
					44				42				41				43				44				328							

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000793

WATERLOO WPCP

MUNICIPALITY : WATERLOO

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 66,627
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 45.460 1000 M3

DESIGN BOD5 : 270.0 MG/L

DESIGN SUSP.SOLIDS : 270.0 MG/L

<---				FLOW DATA				----><-BIOCHEMICAL OXYGEN DEMAND-><---				SUSPENDED SOLIDS				----><--- TOTAL PHOSPHORUS			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
							%			%			%			%			%
JAN/86-DEC/86																			
JAN	1247.100	40.230	49.600		240	6.0	97	291.8	430	13.0	96	520.0	6.7	.90	86	7.233			
FEB	1083.900	38.710	43.950		220	9.0	95	228.7	410	12.0	97	431.3	7.4	1.10	85	6.829			
MAR	1502.500	48.470	74.100		190	10.0	94	270.4	410	15.0	96	593.4	6.1	.70	88	8.114			
APR	1410.900	47.030	56.150		150	6.0	96	203.1	320	7.0	97	441.6	6.1	.70	88	7.619			
MAY	1334.450	43.050	70.550		210	10.0	95	266.8	400	7.0	98	524.4	8.2	.90	89	9.741			
JUN	1334.450	44.480	63.500		190	5.0	97	246.8	460	5.0	98	607.1	6.9	.70	89	8.274			
JUL	1313.250	42.360	55.550		220	5.0	97	282.3	510	7.0	98	660.5	7.6	1.00	86	8.667			
AUG	1344.930	43.380	62.200		240	4.0	98	317.4	490	5.0	98	652.2	7.1	.90	87	8.339			
SEP	1601.900	53.390	98.850		160	4.0	97	249.8	330	7.0	97	517.4	5.0	.90	82	6.568			
OCT	1749.850	56.450	74.450		180	5.0	97	306.2	360	9.0	97	614.1	5.2	.70	86	7.874			
NOV	1508.950	50.300	73.450		200	9.0	95	288.2	340	15.0	95	490.4	6.2	1.10	82	7.696			
DEC	1343.350	43.330	57.200		230	8.0	96	298.2	400	10.0	97	523.9	5.8	1.00	82	6.448			
TOTAL	16775.530							3250.2				6576.9				93.402			
AVERAGE		45.932			202	6.7	96		405	9.3	97		6.5	.88	86				
MAXIMUM			98.850																
NO. OF SAMPLES					90	90			246	246			89	208					

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000150

ELMIRA WPCP (COMBINED FLOW)

MUNICIPALITY : WOOLWICH (ELMIRA)

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 7,090
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 4.546 1000 M3

DESIGN BOD5 : 420.0 MG/L

DESIGN SUSP.SOLIDS : 306.0 MG/L

<--- FLOW DATA

---><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86													
JAN	108.800	3.512	8.635			7.3			12.7			.67	
FEB	89.334	3.191	4.676			6.8			13.3			.93	
MAR	182.111	5.875	12.338			6.8			21.6			.70	
APR	139.341	4.645	7.651			9.4			19.5			.95	
MAY	137.368	4.431	10.350			7.1			24.2			1.44	
JUN	118.670	3.958	7.523			9.3			21.6			1.49	
JUL	92.190	2.974	3.643			3.4			23.8			1.97	
AUG	105.959	3.418	10.181			3.4			16.5			1.74	
SEP	211.333	7.044	16.380			6.8			13.2			1.35	
OCT	170.101	5.487	12.861			4.3			22.0			1.86	
NOV	117.542	3.918	6.789			2.7			19.3			1.84	
DEC	122.863	3.963	4.933			5.2			13.7			1.45	
TOTAL	1595.612												
AVERAGE		4.368				6.0	-		18.4	-		1.36	-
MAXIMUM			16.380										
NO. OF SAMPLES						35			247			122	

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001024

HAGERSVILLE WPCP

MUNICIPALITY : HALDIMAND (HAG.)

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 2,200
POPULATION SERVED : 2,362
PERCENT SERVED : 107.3

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.000 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME	AVG DAY	MAX DAY	PEAK RT	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION			INFLUENT MG/L	EFFLUENT MG/L	REDUCTION			INFLUENT MG/L	EFFLUENT MG/L	REDUCTION		
	1000 M3 /DAY	1000 M3 /DAY	1000 M3 /DAY	1000 KG			%	1000 KG	%			1000 KG	%	1000 KG			%	1000 KG	%
JAN/86-DEC/86																			
JAN	66.600	2.140	2.840		121	5.5	95	7.6		80	11.5	85	4.5	4.3	.41	90	.259		
FEB	69.100	2.500	3.050		123	5.5	95	8.1		97	11.7	87	5.8	5.6	.33	94	.364		
MAR	73.700	2.370	2.730		91	5.8	93	6.2		35	8.7	75	1.9	2.1	.21	90	.139		
APR	64.600	2.153	2.650		94	5.1	94	5.7		23	6.1	73	1.0	3.5	.16	95	.216		
MAY	53.550	1.725	2.712		173	4.4	97	9.0		52	4.5	91	2.5	3.5	.13	96	.180		
JUN	53.350	1.778	2.450		102	3.3	96	5.2		54	7.3	86	2.4	3.6	.35	90	.173		
JUL	41.420	1.336	1.592		158	5.1	96	6.3		70	13.6	80	2.3	4.8	.51	89	.178		
AUG	44.700	1.440	2.550		106	9.0	91	4.3		73	9.5	86	2.8	5.0	.50	90	.201		
SEP	44.110	1.470	2.697		80	7.5	90	3.1		68	6.0	91	2.7	4.2	.56	86	.161		
OCT	52.790	1.700	2.634		90	6.2	93	4.4		56	6.5	88	2.6	6.2	.48	92	.302		
NOV	44.800	1.500	2.560		133	13.1	90	5.3		73	7.0	90	2.9	5.0	.49	90	.202		
DEC	60.790	1.960	2.640		82	8.4	89	4.4		105	9.7	90	5.7	4.3	.50	88	.231		
TOTAL																			
	669.510							70.2					37.7				2.606		
AVERAGE																			
		1.839			112	6.5	93			65	8.5	85		4.3	.38	91			
MAXIMUM																			
			3.050																
NO. OF SAMPLES																			
					24	24				22	22			24	24				

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001943 AYR PV WPCP

MUNICIPALITY : NORTH DUMFRIES (AYR)

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 3,800
POPULATION SERVED : 1,281
PERCENT SERVED : 33.7

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.181 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---		FLOW DATA			---><<--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><---				TOTAL PHOSPHORUS				----	
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG		
JAN/86-DEC/86																						
JAN	10.235	.339	.388	.450	86	1.3	98	.8	51	3.5	93	.4	4.1	.48	88	.037						
FEB	9.382	.335	.477	.500	296	9.8	96	2.6	208	13.8	93	1.8	8.2	.48	94	.072						
MAR	12.103	.390	.508	.410	136	8.3	93	1.5	157	24.9	84	1.5	7.1	.55	92	.079						
APR	10.506	.350	.419	.560	184	6.5	96	1.8	106	3.8	96	1.0	10.0	.68	93	.098						
MAY	10.943	.359	.451	.495	272	17.0	93	2.7	166	3.9	97	1.7	9.0	.64	92	.091						
JUN	10.390	.346	.430	.555	148	11.9	91	1.4	96	8.3	91	.9	8.1	.49	93	.079						
JUL	10.450	.337	.446	.590	161	3.5	97	1.6	126	7.4	94	1.2	9.2	.65	92	.089						
AUG	10.938	.353	.425	.460	105	1.7	98	1.1	124	4.4	96	1.3	5.7	.78	86	.054						
SEP	13.338	.444	.660	.500	154	3.1	97	2.0	89	1.9	97	1.1	8.8	.54	93	.110						
OCT	14.478	.467	.739	.525	124	3.0	97	1.7	122	4.8	96	1.6	7.2	.66	90	.095						
NOV	14.931	.497	.590	.610	238	4.6	98	3.4	234	5.2	97	3.4	11.4	.63	94	.161						
DEC	15.756	.508	.565	.590																		
TOTAL		143.450						21.1				16.4				.965						
AVERAGE			.394			173	6.4	96		134	7.4	94		8.0	.59	92						
MAXIMUM				.739																		
NO. OF SAMPLES						11	11			11	11			12	11							

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001097

PARIS WPCP

MUNICIPALITY : PARIS

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 12,100
POPULATION SERVED : 4,359
PERCENT SERVED : 36.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 7.046 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 170.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---					SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS --->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	%	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	%	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	%
JAN/86-DEC/86																
JAN	75.268	2.428	3.396	3.207	611	15.1	97	44.8	258	16.1	93	18.2	12.5	.68	94	.890
FEB	65.610	2.343	2.983	3.205	541	14.8	97	34.5	299	12.0	95	18.8	9.0	.58	93	.552
MAR	86.712	2.797	3.661	4.600	202	8.3	95	16.7	175	7.8	95	14.4	6.0	.56	90	.472
APR	74.700	2.490	3.070	6.700	260	16.8	93	18.1	133	8.3	93	9.3	7.7	.63	91	.528
MAY	80.500	2.600	4.980	7.600	260	16.4	93	19.6	97	8.2	91	7.1	5.8	.31	94	.442
JUN	77.900	2.600	5.970	6.500	354	10.3	97	26.7	148	9.5	93	10.7	9.6	.78	91	.687
JUL	74.790	2.413	2.800	5.600	275	1.6	99	20.4	142	2.5	98	10.4	9.1	.51	94	.642
AUG	74.700	2.410	3.040	5.700	181	1.6	99	13.4	109	2.3	97	7.9	5.7	.59	89	.382
SEP	94.920	3.170	4.660	7.000	329	4.1	98	30.8	104	2.0	98	9.6	8.6	.72	91	.748
OCT	85.170	2.750	4.900	7.600	417	4.8	98	35.1	182	5.0	97	15.0	7.4	.41	94	.595
NOV	80.700	2.600	3.670	5.400	306	8.1	97	24.0	256	3.4	98	20.3	8.9	.48	94	.679
DEC	81.900	2.640	3.460	6.800	298	2.7	99	24.1	132	2.6	98	10.5	9.0	.42	95	.703
TOTAL		952.870						308.7				152.9				7.320
AVERAGE			2.603		336	8.7	97		169	6.6	96		8.2	.55	93	
MAXIMUM			5.970													
NO. OF SAMPLES					12	12			12	12			12	12		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110003415

ST GEORGE PV WPCP

MUNICIPALITY : S DUMFRIES(ST GEORGE) **

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : EXTENDED AERATION
 PHOSPHORUS REMOVAL-CONTINUOUS
 EFFLUENT POLISHING

DESIGN POPULATION : 1,520
 POPULATION SERVED : 500
 PERCENT SERVED : 32.8

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.063 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---><-BIOCHEMICAL OXYGEN DEMAND-><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG
JAN/86-DEC/86																
JAN	10.214	.329	.567		180	3.6	98	1.8	111	4.4	96	1.0	7.5	.28	96	.074
FEB	8.529	.304	.411		105	2.6	97	.8	188	1.8	99	1.5	4.3	.67	84	.031
MAR	11.620	.375	.529		110	2.4	97	1.2	135	2.5	98	1.5	6.0	.50	91	.064
APR	10.338	.345	.442		176	6.8	96	1.7	159	11.8	92	1.5	8.3	.28	96	.083
MAY	11.457	.370	.435		127	2.2	98	1.4	94	2.0	97	1.0	6.3	.25	96	.069
JUN	8.287	.276	.608		133	1.9	98	1.0	75	.6	99	.6	8.3	.36	95	.066
JUL	9.065	.292	.364		114	2.4	97	1.0	37	1.1	97	.3	3.4	.44	87	.027
AUG	10.296	.332	.466		91	1.4	98	.9	88	3.2	96	.8	5.2	.59	88	.048
SEP	10.364	.345												.48		
OCT	11.081	.357	.477		101	.6	99	1.1	86	1.9	97	.9	7.4	.46	93	.077
NOV	10.474	.349	.481		97	4.2	95	.9	73	1.1	98	.7	3.7	.26	92	.036
DEC	12.087	.390	.634		208	1.2	99	2.5	123	3.1	97	1.4	9.0	.28	96	.105
TOTAL	123.812							14.7				11.7				.680
AVERAGE		.339			131	2.6	97		106	3.0	97		6.3	.40	92	
MAXIMUM			.634													
NO. OF SAMPLES					12	12			12	12			12	13		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001578

WELLESLEY WPCP

MUNICIPALITY : WELLESLEY

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 950
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.500 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 250.0 MG/L

<--- FLOW DATA				----<<BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				----<--- TOTAL PHOSPHORUS ---->				
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG
JAN/86-DEC/86																
JAN	13.135	.424	1.039		132	3.4	97	1.6	157	16.0	89	1.8	5.3	.52	90	.063
FEB	9.552	.341	.622		313	5.1	98	2.9	277	13.5	95	2.5	9.1	.70	92	.080
MAR	29.434	.949	2.569		102	4.9	95	2.8	114	15.1	86	2.9	6.4	.88	86	.162
APR	21.876	.729	1.399		72	4.9	93	1.4	84	15.7	81	1.4	3.8	.75	80	.067
MAY	16.514	.533	1.362		88	4.9	94	1.3	179	16.3	90	2.6	5.3	.71	86	.076
JUN	15.974	.532	.984		210	3.7	98	3.2	233	9.0	96	3.5	5.2	.56	89	.074
JUL	13.120	.423	.618		87	2.6	97	1.1	201	8.7	95	2.5	4.3	.39	90	.051
AUG	16.428	.530	1.993		88	.7	99	1.4	156	5.5	96	2.4	5.4	.58	89	.079
SEP	30.563	1.019	3.158		75	3.5	95	2.1	143	8.7	93	4.1	3.9	1.00	74	.089
OCT	26.719	.894	1.851		120	3.5	97	3.1	152	7.1	95	3.8	3.9	.64	83	.087
NOV	16.607	.554	1.040		339	2.2	99	5.5	213	7.4	96	3.4	12.0	4.30	64	.128
DEC	22.091	.713	.966		182	3.0	98	3.9	120	6.1	94	2.5	4.6	.95	79	.081
TOTAL																
	232.013							31.0				33.9				1.037
AVERAGE																
		.637			150	3.5	96		169	10.7	92		5.7	.99	83	
MAXIMUM																
			3.158													
NO. OF SAMPLES																
					31	31			128	126			32	33		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001710

BADEN WPCP

MUNICIPALITY : WILMOT (BADEN)

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 1,016
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.922 1000 M3

DESIGN BOD5 : 240.0 MG/L

DESIGN SUSP.SOLIDS : 300.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND-->----				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				----	
TOTAL		AVG DAY	MAX DAY	PEAK RT	REDUCTION				REDUCTION				REDUCTION				REDUCTION				
DATE	VOLUME	1000 M3	1000 M3	1000 M3	INFLUENT	EFFLUENT	1000	1000	INFLUENT	EFFLUENT	1000	1000	INFLUENT	EFFLUENT	1000	1000	INFLUENT	EFFLUENT	1000	1000	
	1000 M3	/DAY	/DAY	/DAY	MG/L	MG/L	%	KG	MG/L	MG/L	%	KG	MG/L	MG/L	%	KG	MG/L	MG/L	%	KG	
JAN/86-DEC/86																					
JAN	18.085	.583	1.250	2.050	427	2.5	99	7.6	593	5.9	99	10.6	13.5	.69	94	.232					
FEB	14.355	.513	.725	1.230	280	3.5	98	3.9	172	6.6	96	2.3	15.6	.85	94	.212					
MAR	26.643	.859	2.200	3.230	129	7.6	94	3.2	76	7.0	90	1.8	8.1	.78	90	.195					
APR	21.269	.709	1.090	2.270	262	3.6	98	5.4	73	4.8	93	1.4	10.6	.89	91	.207					
MAY	22.000	.733	1.310	3.180	312	5.4	98	6.7	160	3.5	97	3.4	11.4	1.14	90	.226					
JUN	20.216	.674	.943	2.360	310	1.6	99	6.2	248	3.5	98	4.9	13.7	1.25	90	.252					
JUL	18.144	.585	.929	1.230	291	2.4	99	5.2	229	2.7	98	4.1	12.9	1.14	91	.213					
AUG	17.495	.564	1.010	3.090	220	1.5	99	3.8	191	4.9	97	3.2	12.3	1.40	88	.191					
SEP	24.085	.808	1.910	3.320	160	1.6	99	3.8	189	11.2	94	4.2	8.5	.83	90	.185					
OCT	23.803	.768	1.120	2.410	194	2.4	98	4.5	117	6.0	94	2.6	9.3	.81	91	.202					
NOV	19.268	.642	1.130	2.140	241	3.7	98	4.5	233	5.6	97	4.3	12.9	1.03	92	.229					
DEC	23.826	.769	1.000	1.950	78	4.7	93	1.7	75	7.1	90	1.6	8.3	.63	92	.183					
TOTAL		249.189						57.1				44.9				2.527					
AVERAGE			.684		242	3.3	98		196	5.7	95		11.4	.95	91						
MAXIMUM				2.200																	
NO. OF SAMPLES					25	23			25	23			23	124							



SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001033

HESPELER WPCP

MUNICIPALITY : CAMBRIDGE (HESPELER)
REGION : 02 WEST-CENTRALTREATMENT FACILITY : HIGH RATE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 10,110
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 9.319 1000 M3

DESIGN BOD5 : 260.0 MG/L

DESIGN SUSP.SOLIDS : 215.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS --->													
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG									
JAN/86-DEC/86																									
JAN	198.120	6.390	8.680	19.100	119	30.0	74	17.6	417	38.5	90	74.9	6.8	1.49	78	1.052									
FEB	160.840	5.740	10.010	19.100	104	38.7	62	10.5	170	41.0	75	20.7	4.6	1.70	63	.466									
MAR	184.350	5.950	8.130	19.100	93	30.0	67	11.6	431	31.6	92	73.6	5.4	1.03	80	.806									
APR	174.760	5.820	7.120	17.300	110	39.7	63	12.2	267	50.3	81	37.8	6.0	2.12	64	.678									
MAY	173.680	5.600	7.080	18.600	117	28.7	75	15.3	105	33.8	67	12.3	4.0	1.50	62	.434									
JUN	168.120	5.600	6.580	17.300	124	27.8	77	16.1	155	45.2	70	18.4	3.8	1.20	68	.437									
JUL	160.650	5.180	6.570	16.800	85	22.8	73	10.0	102	21.7	78	12.9	3.5	.80	77	.445									
AUG	145.270	4.690	6.310	14.100	81	27.0	66	7.9	97	15.1	84	11.8	3.6	1.16	68	.366									
SEP	160.830	5.360	9.940	23.700	74	9.2	87	10.4	101	26.5	73	11.9	3.3	.84	74	.404									
OCT	165.410	5.330	6.760	15.000	127	18.5	85	17.9	212	20.7	90	31.6	5.7	1.17	79	.749									
NOV	147.840	4.930	8.590	16.400	137	27.8	79	16.1	166	37.4	77	19.0	7.7	1.65	78	.906									
DEC	155.750	5.020	6.370	13.200	87	17.0	80	10.9	118	18.8	84	15.4	5.5	.96	82	.707									
TOTAL		1995.620							156.9								341.0				7.450				
AVERAGE		5.468											195				31.7				80	5.0	1.30	73	
MAXIMUM		10.010																							
NO. OF SAMPLES					39		38		39		42		38		63										



SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000301

GRAND VALLEY WPCP

MUNICIPALITY : GRAND VALLEY

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : OXIDATION DITCH
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 1,020
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.600 1000 M3

DESIGN BOD5 : 153.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																
JAN	7.590	.240	.460		141	15.7	88	.9	123	52.1	57	.5	6.5	1.20	81	.040
FEB	6.550	.230	.280		145	29.7	79	.7	174	45.2	74	.8	7.9	.75	90	.047
MAR	23.840	.770	2.000		93	18.0	80	1.7	106	33.0	68	1.7	5.0	.52	89	.107
APR	15.990	.530	.790		80	5.2	93	1.1	82	17.0	79	1.0	4.0	.39	90	.058
MAY	11.480	.370	.510		113	9.9	91	1.1	141	6.2	95	1.5	5.9	.39	93	.063
JUN	9.340	.310	.390		203	2.9	98	1.8	270	4.5	98	2.4	10.4	.36	96	.094
JUL	9.900	.310	.590		141	5.1	96	1.3	138	6.0	95	1.3	6.5	.39	94	.060
AUG	10.730	.340	.750		138	1.5	98	1.4	185	5.9	96	1.9	5.4	.30	94	.055
SEP	26.320	.880	1.970		47	7.5	84	1.0	74	6.5	91	1.7	2.6	.27	89	.061
OCT	23.980	.770	1.400		71	4.0	94	1.6	69	6.2	91	1.5	3.8	.39	89	.082
NOV	11.740	.380	.500		94	1.7	98	1.0	147	5.2	96	1.6	6.7	.36	94	.074
DEC	11.210	.360	.520		121	19.9	83	1.1	140	9.8	93	1.4	5.7	.43	92	.059
TOTAL								15.4				17.8				.800
AVERAGE																
		.458			115	10.0	90		137	16.4	86		5.8	.47	91	
MAXIMUM																
			2.000													
NO. OF SAMPLES																
					63	23			70	68			23	187		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000089

CAYUGA WPCP

MUNICIPALITY : HALDIMAND (CAYUGA)

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : OXIDATION DITCH
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 1,590
POPULATION SERVED : 1,049
PERCENT SERVED : 65.9

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.909 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

FLOW DATA				BIOCHEMICAL OXYGEN DEMAND				SUSPENDED SOLIDS				TOTAL PHOSPHORUS				
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG			
JAN/86-DEC/86																
JAN	19.520	.629	2.074		140	2.0	98	2.6	118	4.3	96	2.2	5.9	.13	97	.113
FEB	16.910	.604	1.185		76	2.6	96	1.2	72	5.4	92	1.1	5.0	.21	95	.081
MAR	32.010	1.030	2.489		92	2.0	97	2.8	108	5.3	95	3.2	5.9	.24	95	.181
APR	22.410	.747	1.883		59	4.4	92	1.2	31	8.1	73	.5	5.0	.23	95	.107
MAY	18.880	.609	1.772		93	4.9	94	1.6	83	5.7	93	1.4	4.9	.15	96	.090
JUN	15.470	.516	.748		272	1.7	99	4.1	287	4.4	98	4.3	9.3	.92	90	.130
JUL	14.920	.481	1.438		100	1.3	98	1.4	92	3.8	95	1.3	7.0	.22	96	.101
AUG	13.630	.439	1.011		105	2.1	98	1.4	99	2.1	97	1.3	7.3	.19	97	.097
SEP	16.080	.536	1.226		120	3.6	97	1.8	60	6.6	89	.8	6.6	.44	93	.099
OCT	19.220	.620	1.766		48	2.9	93	.8	41	4.3	89	.7	3.9	.20	94	.071
NOV	13.850	.462	1.949		71	4.7	93	.9	55	6.7	87	.6	4.1	.30	92	.053
DEC	24.040	.776	1.878		179	5.2	97	4.1	50	3.9	92	1.1	4.9	.13	97	.115
TOTAL																
	226.940						24.5					18.9				1.238
AVERAGE																
		.621			112	3.1	96		91	5.0	91		5.8	.28	95	
MAXIMUM																
			2.489													
NO. OF SAMPLES																
					24	24			21	21			22	24		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000659

SHELBURNE WPCP

MUNICIPALITY : SHELBURNE

**

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : OXIDATION DITCH
 PHOSPHORUS REMOVAL-CONTINUOUS
 EFFLUENT POLISHING

DESIGN POPULATION : 0
 POPULATION SERVED : 4,000
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 2.045 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<--- FLOW DATA ---><-BIOCHEMICAL OXYGEN DEMAND-><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	REDUCTION				REDUCTION				REDUCTION			
					INFLUENT MG/L	EFFLUENT MG/L	%	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	%	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	%	1000 KG
JAN/86-DEC/86																
JAN	38.700	1.200	2.400		250	12.8	94	9.1	223	18.9	91	7.8	6.8	.71	89	.236
FEB	32.900	1.180	1.300		130	15.2	88	3.7	163	18.2	88	4.7	7.9	.50	93	.243
MAR	45.300	1.500	3.300		100	9.5	90	4.1	172	22.3	87	6.7	4.5	.74	83	.170
APR	53.300	1.780	2.600		107	4.3	95	5.4	123	12.0	90	5.9	5.1	.53	89	.244
MAY	44.200	1.430	2.000		131	3.0	97	5.6	152	5.5	96	6.4	5.6	.58	89	.222
JUN	43.500	1.450	1.700		155	5.9	96	6.4	207	6.9	96	8.7	5.6	.62	88	.217
JUL	38.900	1.250	1.600		129	2.3	98	4.9	209	3.3	98	8.0	7.6	.57	92	.273
AUG	37.200	1.200	2.100		115	1.1	99	4.2	176	3.6	97	6.4	7.3	.48	93	.254
SEP	67.500	2.250	6.300		144	4.8	96	9.3	177	3.9	97	11.6	5.4	.47	91	.333
OCT	66.600	2.140	3.900		131	3.2	97	8.5	224	3.7	98	14.6	5.7	.52	90	.345
NOV	40.600	1.350	1.600		103	2.6	97	4.0	273	3.2	98	10.9	6.2	.39	93	.236
DEC	41.500	1.340	1.700		138	7.3	94	5.4	222	5.5	97	8.9	5.7	.36	93	.222

TOTAL

550.200

71.2

101.2

2.995

AVERAGE

1.506

136 6.0 95

193 8.9 94

6.1 .53 90

MAXIMUM

6.300

NO. OF SAMPLES

65

24

69

69

24

123

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001211

ST.JACOBS PV WPCP

MUNICIPALITY : WOOLWICH (ST.JACOBS)

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : OXIDATION DITCH
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 1,266
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.954 1000 M3

DESIGN BOD5 : 310.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<---		FLOW DATA			---><--BIOCHEMICAL OXYGEN DEMAND-->----				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				----	
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG		
JAN/86-DEC/86																		
JAN	28.191	.909	1.340		143	14.1	90	3.6	182	50.0	72	3.7	10.2	2.20	78	.226		
FEB	22.648	.809	1.126		147	22.0	85	2.8	158	43.2	72	2.6	7.2	1.20	83	.136		
MAR	42.564	1.373	2.534		244	19.0	92	9.5	169	49.7	70	5.0	5.0	1.04	79	.169		
APR	36.691	1.223	1.531		307	8.3	97	10.9	154	22.0	85	4.8	8.2	1.30	84	.253		
MAY	37.587	1.212	2.807		175	8.5	95	6.2	151	12.4	91	5.2	8.9	.85	90	.303		
JUN	29.761	.992	1.441		132	5.8	95	3.7	141	9.0	93	3.9	8.5	.65	92	.234		
JUL	24.215	.781	1.185		81	8.9	89	1.7	144	6.1	95	3.3	6.0	.99	83	.121		
AUG	26.163	.840	2.090		152	4.6	96	3.8	149	10.5	92	3.6	3.4	.63	81	.074		
SEP	57.667	1.860	3.930		66	6.6	90	3.4	114	8.7	92	6.0	5.4	.86	84	.262		
OCT	54.531	1.759	3.240		1754	4.2	99	95.4	253	36.2	85	11.8	8.4	.65	92	.423		
NOV	29.037	.937	4.921		1094	7.1	99	31.5	279	24.8	91	7.3	8.0	.27	96	.224		
DEC	35.503	1.145	2.360		92	5.8	93	3.0	139	9.8	92	4.5	8.5	1.21	85	.259		
TOTAL		424.558						176.0				62.2				2.684		
AVERAGE			1.153		365	9.5	93		169	23.5	86		7.3	.98	85			
MAXIMUM			4.921															
NO. OF SAMPLES					24	23			139	132			109	112				



WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000329

HARRISTON LAGOON

MUNICIPALITY : HARRISTON

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : AERATED LAGOON
SEASONAL DISCHARGEDESIGN POPULATION : 0
POPULATION SERVED : 1,963
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.995 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---><-BIOCHEMICAL OXYGEN DEMAND-><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	48.655	1.569			480			1070			63.0		
FEB	36.056	1.287			220			263			18.0		
MAR	75.549	2.437			122			251			20.7		
APR	50.889	1.696		122.315	562	23.3		478	40.1		14.5	3.92	
MAY	44.715	1.425			112			1640			14.0		
JUN	42.522	1.417			270			382			30.8		
JUL	35.090	1.132			119			438			21.8		
AUG	31.721	1.023			195			522			26.8		
SEP	60.212	1.942			89			141			6.6		
OCT	66.184	2.135			103			254			10.8		
NOV	38.065	1.269		182.797	77	5.7		164	7.7		11.6	2.25	
DEC	49.102	1.584		59.257	320	6.9		1420	6.8		102.0	2.31	
TOTAL		578.760		364.369									
AVERAGE		1.576			222	11.9	95	585	18.2	95	28.3	2.82	83
MAXIMUM													
NO. OF SAMPLES					14	36		14	34		14	36	



WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000882

ARTHUR LAGOON

MUNICIPALITY : ARTHUR

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 1,674
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.981 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				----<--BIOCHEMICAL OXYGEN DEMAND-->----				SUSPENDED SOLIDS ---->----				TOTAL PHOSPHORUS ---->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	32.950	1.060	2.378		756			156						6.0					
FEB	24.850	.888	1.087		290			186						3.8					
MAR	50.350	1.624	2.747		125			34						3.1					
APR	40.226	1.341	1.930	95.558	86	17.8		103	27.6					4.7	1.16				
MAY	37.735	1.217	2.211	44.940	95	28.0		56	77.0					3.6	2.01				
JUN	32.358	1.079	1.597		142			64						4.9					
JUL	30.570	.986	2.101		259			511						10.6					
AUG	32.130	1.037	2.012		172			123						5.4					
SEP	47.630	1.588	3.066		79			49						3.1					
OCT	49.973	1.612	2.672	149.996	91	8.2		77	24.7					3.1	.35				
NOV	31.885	1.063	1.424	11.728	80	12.4		92	28.2					4.6	.41				
DEC	33.136	1.069	1.299		156									9.8					
TOTAL																			
	443.793			302.222															
AVERAGE																			
		1.214			194	16.6	81	131	39.3	70				5.2	.98	74			
MAXIMUM																			
			3.066																
NO. OF SAMPLES																			
					12	26		11	26					12	26				

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 120001434

JARVIS LAGOON

MUNICIPALITY : NANTICOKE (JARVIS)
REGION : 02 WEST-CENTRALTREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 700
POPULATION SERVED : 1,190
PERCENT SERVED : 170.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.545 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---><---BIOCHEMICAL OXYGEN DEMAND-><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	54.000	1.750	.900		142			147			6.1		
FEB	23.450	.838	1.100		186			270			10.7		
MAR	31.570	1.018	2.100		35			77			2.7		
APR	26.240	.870	1.500	96.100		15.6			28.9			.44	
MAY													
JUN	18.942	.630	1.000		161			163			9.3		
JUL	23.780	.767	1.000		193			231			8.2		
AUG	16.800	.542	.800		143			140			7.3		
SEP	25.990	.839	1.000		214			70			12.2		
OCT	25.990	.839	1.200	96.100	96	11.5		106	23.9		6.4	.46	
NOV	27.000	.870	1.200		315			709			9.6		
DEC	38.800	1.250	1.600		70			66			6.5		
TOTAL													
	312.562			192.200									
AVERAGE													
		.928			155	13.5	88	198	26.4	77	7.9	.45	92
MAXIMUM													
			2.100										
NO. OF SAMPLES													
					10	12		10	12		10	12	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110003371

STELCO IND. PARK LAGOON

MUNICIPALITY : NANTICOKE (STELCO IND.P)

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 0
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.045 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				----<--BIOCHEMICAL OXYGEN DEMAND-->----				SUSPENDED SOLIDS ---->----				TOTAL PHOSPHORUS ---->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	6.200	.222	.272		14			30						1.3					
FEB	6.050	.220	.300		4	4.4		7	9.6					2.8	.60				
MAR	7.680	.248	.500		14			12						.8					
APR	7.550	.251	.300		4			10						.6					
MAY	8.000	.260	.400		6			31						2.7					
JUN	6.300	.210	.300		9			80						6.7					
JUL	4.800	.160	.300		19			88						2.8					
AUG	6.528	.210	.300		9			21						.8					
SEP	6.460	.215	.300		35			229						1.9					
OCT	10.680	.344	.500					24						3.8					
NOV	7.000	.222	.300		30			130						.8					
DEC	5.800	.187	.300					128						14.5					
TOTAL																			
	83.048																		
AVERAGE																			
		.229			14	4.4	-	66	9.6	-				3.3	.60	78			
MAXIMUM																			
			.500																
NO. OF SAMPLES																			
					10	1		12	1					12	1				

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001113

PORT ROWAN LAGOON

MUNICIPALITY : NORFOLK (PORT ROWAN)

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 1,936
POPULATION SERVED : 720
PERCENT SERVED : 37.1

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.727 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS			---><--- TOTAL PHOSPHORUS		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	9.503	.307	.596										
FEB	8.254	.295	.456										
MAR	10.652	.344	.788										
APR	.857	.029	.040	45.000									.92
MAY	.851	.274	.051										
JUN	.740	.024	.042										
JUL	7.941	.256	.444										
AUG	7.395	.238	.306										
SEP	7.588	.253	.419										
OCT	8.269	.266	.448	120.000		9.0			9.7				.65
NOV	9.331	.311	.655										
DEC	11.502	.371	.600										
TOTAL	82.883			165.000									
AVERAGE		.247					9.0 -		9.7 -			.78 -	
MAXIMUM			.788										
NO. OF SAMPLES							1		1			2	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 120001782

DRAYTON LAGOON

MUNICIPALITY : DRAYTON

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : CONVENTIONAL LAGOON ANNUAL
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 0
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.559 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 .MG/L

FLOW DATA				---><-BIOCHEMICAL OXYGEN DEMAND->---<---				SUSPENDED SOLIDS			---><--- TOTAL PHOSPHORUS			---	
TOTAL		AVG DAY	MAX DAY	T.VOL.TO	REDUCTION			REDUCTION			REDUCTION				
DATE	VOLUME	1000 M3	1000 M3	W/COURSE	INFLUENT	EFFLUENT	%	INFLUENT	EFFLUENT	%	INFLUENT	EFFLUENT	%		
1000 M3	/DAY	/DAY	1000 M3	MG/L	MG/L	%	MG/L	MG/L	%	MG/L	MG/L	%			
JAN/86-DEC/86															
JAN	32.767	1.057	2.478		156			128			6.3				
FEB	29.172	1.041	1.439		482			364			8.8				
MAR	49.110	1.584			1850			2290			9.0				
APR	39.066	1.302			133			195			4.8				
MAY	39.394	1.271			380			400			10.2				
JUN	36.691	1.184			200			115			9.7				
JUL	43.161	1.392			143			112			9.7				
AUG	58.313	1.881			208			165			12.1				
SEP	91.728	3.058			148			126			7.5				
OCT	76.413	2.465			265			322			17.4				
NOV	44.880	1.496			1200			530			16.2				
DEC	51.546	1.663			114			132			7.8				
TOTAL															
	592.241														
AVERAGE															
		1.616			439		-	406		-	9.9		-		
MAXIMUM															
			2.478												
NO. OF SAMPLES															
					12			12			12				

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110003068

OSWEGO PARK LAGOON

MUNICIPALITY : DUNNVILLE (OSWEGO PARK)

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : CONVENTIONAL LAGOON ANNUAL

DESIGN POPULATION : 250

POPULATION SERVED : 250

PERCENT SERVED : 100.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.090 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---><-BIOCHEMICAL OXYGEN DEMAND-><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME	AVG DAY	MAX DAY	T.VOL.TO	REDUCTION			REDUCTION			REDUCTION		
	1000 M3	1000 M3 /DAY	1000 M3 /DAY	W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	7.900	.250			98			140			5.8		
FEB	9.380	.340			152			133			9.8		
MAR	9.560	.310	.310	15.090	120	11.6		101	40.0		6.9	2.76	
APR	6.740	.220			57			35			5.2		
MAY	5.540	.180			30						1.7		
JUN	4.560	.150			180			232			12.0		
JUL	4.860	.160			145			101			9.6		
AUG	4.480	.140			225			196			15.0		
SEP	5.220	.170		22.200	171	13.3		180	23.7		9.7	3.86	
OCT	7.200	.230			198			244			11.7		
NOV	5.580	.190			172			244			10.7		
DEC	5.780	.190			176			131			9.1		
- TOTAL													
	76.800			37.290									
AVERAGE													
		.211			143	12.4	91	157	31.8	73	8.9	3.31	60
MAXIMUM													
			.310										
- NO. OF SAMPLES													
					12	7		11	7		12	7	

AERATED CELL PLUS LAGOON

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001195

WATERFORD LAGOON

MUNICIPALITY : NANTICOKE (WATERFORD)

REGION : 02 WEST-CENTRAL

TREATMENT FACILITY : AERATED CELL PLUS LAGOON
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 4,857
POPULATION SERVED : 2,364
PERCENT SERVED : 48.6

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 2.136 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA				----<<BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS			----<--- TOTAL PHOSPHORUS ---->		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	16.434	.527	1.250	16.434	90	14.0		79	12.8		4.8	2.10	
FEB	13.882	.495	.541	13.882	101	9.6		65	7.1		4.3	1.88	
MAR	15.220	.491	1.005	15.220	81			95			4.6		
APR	16.160	.539	.610	16.160	107	22.0		63	23.6		4.4	.60	
MAY	20.631	.666	.814	20.631	143	12.8		79	13.9		5.4	.48	
JUN	24.573	.819	.965	24.573	78	30.3		74	47.3		5.1	1.18	
JUL	26.305	.849	.942	26.305	68	18.5		83	38.6		4.4	.69	
AUG	34.786	1.122	1.497	34.786	71	20.3		79	45.2		4.7	1.19	
SEP	38.645	1.288	1.488	38.645	129	18.9		69	39.5		5.6	.74	
OCT	41.780	1.348	1.775	41.780	120	21.5		159	43.3		5.8	.73	
NOV	39.998	1.333	1.675	39.998	98	28.1		78	32.3		4.9	.92	
DEC	43.039	1.388	1.875	43.039	104	28.4		63	17.9		5.1	.72	
TOTAL				331.453									
AVERAGE					99	20.4	78	82	29.2	63	4.9	1.02	78
MAXIMUM				1.875									
NO. OF SAMPLES					25	22		24	21		25	21	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000506

NEW HAMBURG LAGOON

MUNICIPALITY : WILMOT (NEW HAMBURG) **
REGION : 02 WEST-CENTRALTREATMENT FACILITY : AERATED CELL PLUS LAGOON
PHOSPHORUS REMOVAL-CONTINUOUS
EFFLUENT POLISHINGDESIGN POPULATION : 0
POPULATION SERVED : 3,787
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

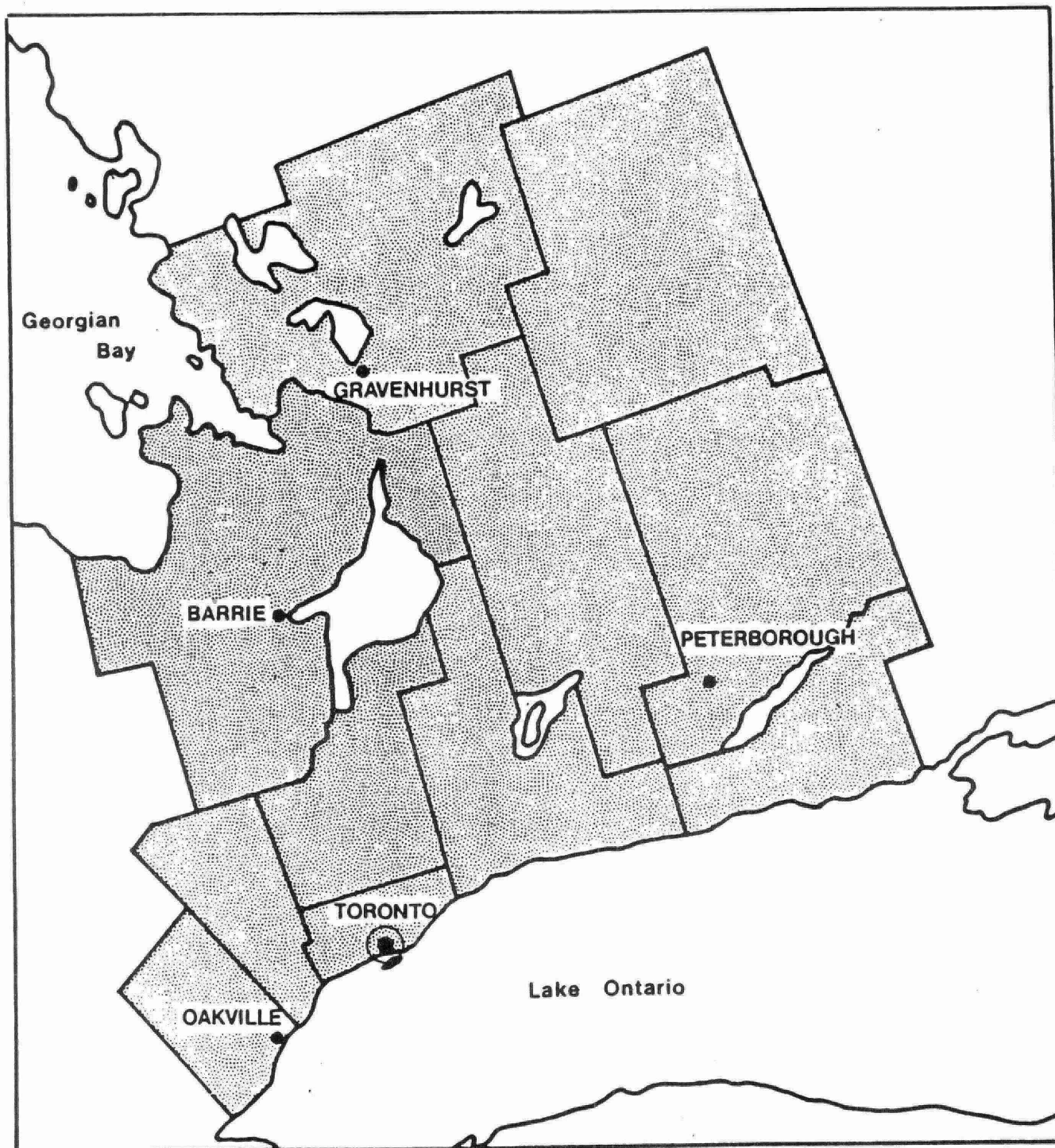
DESIGN CAPACITY : 2.727 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA ---><---BIOCHEMICAL OXYGEN DEMAND---><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	45.870	1.480	3.670		139			124			5.9		
FEB	37.877	1.353	1.980		233			236			9.9		
MAR	68.691	2.216	5.370		114			88			5.8		
APR	56.066	1.870	3.370	72.670	98	1.9		93	13.2		8.1	.80	
MAY	20.820	.672	1.950	64.550	232	.4		455	3.2		7.8	.64	
JUN	42.358	1.410	2.420	34.471	140	1.7		163	1.6		12.8	.66	
JUL	41.437	1.340	2.440	17.399	165	1.0		177	1.5		9.3	.63	
AUG	19.287	.622	1.100	23.709	134	2.3		134	1.3		6.5	.74	
SEP	68.952	2.300	6.870	53.850	334	.6		126	.5		18.2	.90	
OCT	68.525	2.100	4.370	87.653	102	1.0		121	1.4		6.7	.78	
NOV	41.905	1.397	2.600	68.020	233	1.5		270	2.2		10.4	.48	
DEC	54.060	1.744	2.380	14.930	295	2.4		100	1.9		12.8	.44	
TOTAL		565.848		437.252									
AVERAGE		1.542			184	1.4	99	173	2.9	97	9.5	.67	92
MAXIMUM			6.870										
NO. OF SAMPLES					32	9		31	9		23	9	



CENTRAL REGION (3)

REGIONAL OFFICE

TORONTO

7 Overlea Blvd.

416-424-3000

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000962

CAMPBELLFORD WPCP

MUNICIPALITY : CAMPBELLFORD

REGION : 03 CENTRAL

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 6,666
POPULATION SERVED : 3,231
PERCENT SERVED : 48.4

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 5.909 1000 M3

DESIGN BOD5 : 140.0 MG/L

DESIGN SUSP.SOLIDS : 133.0 MG/L

<--- FLOW DATA

---><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG
JAN/86-DEC/86																
JAN	173.600	5.600	9.200	9.900	41	11.0	73	5.2	57	4.5	92	9.1	2.4	1.14	52	.219
FEB	149.200	5.329	6.800	8.600	37	13.0	64	3.5	55	5.5	89	7.4	2.2	1.36	39	.134
MAR	236.700	7.635	10.100	10.700	30	5.9	80	5.7	59	6.5	88	12.4	1.2	.58	53	.159
APR	236.500	7.883	9.300	10.300	38	3.5	90	8.1	36	5.4	85	7.4	1.1	.50	55	.147
MAY	208.800	6.735	8.800	10.400	32	3.8	88	5.8	50	6.0	88	9.3	2.5	1.20	52	.276
JUN	174.800	5.827	7.400	12.100	27	4.3	84	4.0	48	6.3	87	7.3	2.5	1.16	53	.234
JUL	175.500	5.661	6.100	10.600	29	1.2	95	4.9	58	4.3	92	9.4	2.2	.92	59	.233
AUG	159.600	5.148	6.700	12.100			.9		48	3.7	92	7.1	2.1	1.16	45	.153
SEP	189.500	6.317	8.900	13.000	23	3.3	85	3.7	66	5.8	91	11.4	2.1	1.22	41	.167
OCT	214.700	6.926	7.800	8.800	15	5.1	66	2.1	33	4.2	87	6.2	1.2	.66	46	.125
NOV	140.400	4.680	6.500	9.500	29	6.1	79	3.2	49	3.0	93	6.5	2.2	1.26	42	.132
DEC	186.200	6.006	8.900	10.400	53	3.8	92	9.2	73	3.8	94	13.0	2.4	1.26	48	.222
TOTAL	2245.500							55.9				107.1				2.201
AVERAGE		6.146			32	5.1	81		53	4.9	90		2.0	1.03	49	
MAXIMUM			10.100													
NO. OF SAMPLES					11	12			55	56			12	12		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001328

CLARKSON WPCP SOUTH-PEEL SYSTEM

MUNICIPALITY : MISSISSAUGA (CLARKSON)

REGION : 03 CENTRAL

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 227,000
POPULATION SERVED : 120,000
PERCENT SERVED : 52.8

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 109.104 1000 M3

DESIGN BOD5 : 185.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<---		FLOW DATA			----><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				----><-- TOTAL PHOSPHORUS ---->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG
JAN/86-DEC/86																
JAN	2190.660	70.670	110.600	145.500	182	11.0	93	374.6	180	9.0	95	374.6	8.7	.80	90	17.306
FEB	1995.370	71.260	108.500	140.900	160	13.0	91	293.3	171	9.0	94	323.2	6.4	.73	88	11.314
MAR	2666.820	86.030	129.330	163.600	182	11.0	93	456.0	222	10.0	95	565.3	6.7	.76	88	15.841
APR	2369.770	78.990	122.500	154.500	189	11.0	94	421.8	199	9.0	95	450.2	10.0	.74	92	21.944
MAY	2353.240	75.910	126.700	159.100	172	14.0	91	371.8	251	9.0	96	569.4	8.5	.83	90	18.049
JUN	2218.470	73.950	121.300	159.100	279	15.0	94	585.6	299	10.0	96	641.1	9.3	.90	90	18.635
JUL	2132.320	68.780	114.500	159.100	241	14.0	94	484.0	249	8.0	96	513.8	8.6	.91	89	16.398
AUG	2037.180	65.720	108.720	163.600	202	12.0	94	387.0	227	8.0	96	446.1	9.0	.76	91	16.786
SEP	3503.460	83.450	129.100	163.600	129	14.0	89	402.8	210	10.0	95	700.6	8.7	.80	90	27.677
OCT	2391.790	77.150	117.500	154.500	200	12.0	94	449.6	227	9.0	96	521.4	8.6	.92	89	18.369
NOV	2144.060	71.460	112.300	150.000	234	12.0	94	475.9	230	9.0	96	473.8	9.6	.77	91	18.932
DEC	2579.270	83.200	124.400	150.000	189	13.0	93	453.9	185	10.0	94	451.3	8.2	.79	90	19.112
TOTAL		28582.410						5156.8				6031.4				220.363
AVERAGE		75.548			196	12.6	93		220	9.1	95		8.5	.80	90	
MAXIMUM			129.330													
NO. OF SAMPLES					71	216			71	216			71	216		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001284

LAKEVIEW WPCP SOUTH-PEEL SYSTEM

MUNICIPALITY : MISSISSAUGA (LAKEVIEW)
REGION : 03 CENTRALTREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 500,000
POPULATION SERVED : 370,000
PERCENT SERVED : 74.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 284.125 1000 M3

DESIGN BOD5 : 300.0 MG/L

DESIGN SUSP.SOLIDS : 350.0 MG/L

<--- FLOW DATA

---><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG
JAN/86-DEC/86																
JAN	6807.400	219.594	321.800	356.500	243	18.8	92	1526.0	241	13.6	94	1548.0	7.6	.58	92	47.924
FEB	6188.400	221.014	257.600	326.300	245	15.3	93	1422.2	231	8.6	96	1380.5	7.1	.49	93	40.893
MAR	8002.059	258.131	360.600	446.800	226	17.6	92	1667.2	263	10.4	96	2021.5	7.3	.56	92	54.294
APR	7368.900	245.630	311.070	391.000	222	19.0	91	1495.8	226	27.0	88	1466.4	8.1	.86	89	53.351
MAY	7420.570	239.370	309.088	378.800	191	20.0	89	1268.9	271	16.0	94	1892.2	9.0	.92	89	59.958
JUN	6930.500	231.000	287.200	367.000	255	18.2	92	1641.1	238	15.0	93	1545.5	7.9	.59	92	50.662
JUL	7269.600	234.500	310.600	397.800	211	14.6	93	1427.7	260	9.6	96	1820.3	9.3	.54	94	63.682
AUG	7876.390	254.080	399.800	447.800	218	9.9	95	1639.0	223	13.9	93	1646.9	4.3	.70	83	28.355
SEP	8882.300	296.077	576.600	580.000	212	19.0	91	1714.2	220	15.0	93	1820.8	4.7	.58	87	36.595
OCT	8510.700	274.539	382.500	454.800	187	12.0	93	1489.3	211	12.0	94	1693.6	6.9	.55	92	54.043
NOV	7435.600	247.853	290.500	422.800	261	15.5	94	1825.4	224	14.8	93	1555.5	7.9	.69	91	53.611
DEC	8573.800	276.574	393.100	477.800	189	17.0	91	1474.6	200	12.0	94	1611.8	6.2	.49	92	48.956
TOTAL																
	91266.219							18592.1				20003.4				592.324
AVERAGE																
		249.864			221	16.4	92		234	14.0	93		7.1	.63	90	
MAXIMUM																
			576.600													
NO. OF SAMPLES																
					319		293		258		306		185		315	

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001417

PORT MCNICOLL WPCP

MUNICIPALITY : PORT MCNICOLL
REGION : 03 CENTRALTREATMENT FACILITY : CONTACT STABILIZATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 2,300
POPULATION SERVED : 1,400
PERCENT SERVED : 60.8

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.045 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

----- FLOW DATA

----><--BIOCHEMICAL OXYGEN DEMAND--><---- SUSPENDED SOLIDS ----><---- TOTAL PHOSPHORUS ---->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG
JAN/86-DEC/86																
JAN	30.392	.980	1.596	2.364	71	25.0	64	1.3	56	31.4	44	.7	3.4	1.26	62	.065
FEB	22.729	.812	.909	1.727	77	24.0	69	1.2	79	25.6	67	1.2	3.4	1.00	70	.055
MAR	52.273	1.686	2.818	3.387	110	16.0	85	4.9	120	18.0	85	5.3	1.6	.50	69	.060
APR	40.496	1.350	1.864	3.273	36	32.0	11	.1	132	19.9	84	4.5	5.1	.62	87	.181
MAY	27.707	.894	1.121	1.818	102	20.0	80	2.2	84	10.5	87	2.0	4.7	.40	91	.119
JUN	27.027	.901	1.207	2.045	109	6.6	93	2.7	128	7.7	93	3.2	6.5	1.18	81	.144
JUL	25.413	.820	1.371	2.091	277	1.8	99	6.9	277	5.0	98	6.9	8.7	.50	94	.208
AUG	26.344	.850	1.703	2.055	250	3.2	98	6.5	235	12.0	94	5.8	7.3	.40	94	.182
SEP	34.496	1.150	2.965	3.750	152	5.5	96	5.0	125	9.2	92	3.9	7.9	.80	89	.245
OCT	47.742	1.540	2.338	3.750	85	7.3	91	3.7	68	8.7	87	2.8	4.2	.70	83	.167
NOV	26.582	.886	1.269	1.800	103	12.0	88	2.4	128	8.0	93	3.1	5.3	.84	84	.119
DEC	30.683	.990	1.494	2.050	68	15.3	77	1.6	65	13.5	79	1.5	4.3	1.30	69	.092
----- TOTAL																
	391.884							39.0				41.5				1.637
AVERAGE																
		1.072			120	14.0	79		124	14.1	84		5.2	.79	81	
MAXIMUM																
			2.965													
----- NO. OF SAMPLES																
					12	12			12	12			13	12		



SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001220

ALLISTON WPCP

MUNICIPALITY : ALLISTON

REGION : 03 CENTRAL

TREATMENT FACILITY : EXTENDED AERATION

DESIGN POPULATION : 7,034
 POPULATION SERVED : 4,674
 PERCENT SERVED : 66.4

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 3.500 1000 M3

DESIGN BOD5 : 155.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				---	
	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	
DATE	1000 M3						%			%			%			%	
JAN/86-DEC/86																	
JAN	82.898	2.674	2.971	4.200	280	17.0	93	21.8	210	27.4	86	15.1	7.1	7.60	-	-	
FEB	75.524	2.697	2.996	6.100	188	27.0	85	12.1	127	22.0	82	7.9	7.2	6.00	16	.091	
MAR	97.073	3.131	3.990	6.200	181	12.0	93	16.4	211	11.7	94	19.3	8.6	5.08	41	.347	
APR	89.539	2.985	3.299	5.300	250	11.0	95	21.4	132	8.8	93	11.0	7.5	4.92	34	.231	
MAY	90.304	2.913	3.350	7.400	183	4.5	97	16.1	92	2.2	97	8.1	7.6	5.50	27	.190	
JUN	90.933	3.031	3.740	10.000	118	2.1	98	10.5	88	4.9	94	7.5	10.2	5.54	45	.424	
JUL	89.290	2.880	3.282	10.000	111	3.5	96	9.5	94	5.2	94	7.9	9.7	5.54	42	.371	
AUG	94.604	3.052	3.974	10.000	137	4.2	96	12.5	117	5.7	95	10.5	7.3	4.88	33	.229	
SEP	112.142	3.738	4.867	10.000	226	4.2	98	24.8	185	8.0	95	19.8	8.0	7.42	7	.065	
OCT	115.651	3.731	4.417	9.800	108	4.0	96	12.0	68	11.2	83	6.5	6.5	3.34	48	.365	
NOV	92.662	3.089	3.605	5.800	182	19.7	89	15.0	145	9.9	93	12.5	4.7	4.52	3	.017	
DEC	87.404	2.819	3.361	4.500	128	6.7	94	10.6	141	9.1	93	11.5	6.9	4.68	32	.194	
TOTAL																	
	1118.024							183.1				138.0				2.524	
AVERAGE																	
		3.062			174	9.6	94		134	10.5	92		7.6	5.41	30		
MAXIMUM																	
			4.867														
NO. OF SAMPLES																	
					13	13			13	13			13	13			

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002498

BOBCAYGEON WPCP(SUMMER POP.SERVE 2480)

MUNICIPALITY : BOBCAYGEON

REGION : 03 CENTRAL

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 5,600
POPULATION SERVED : 1,240
PERCENT SERVED : 22.1

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 3.054 1000 M3

DESIGN BOD5 : 141.0 MG/L

DESIGN SUSP.SOLIDS : 166.0 MG/L

<--- FLOW DATA

---><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																
JAN	21.769	.702	1.198	2.000	176	8.4	95	3.6	272	10.4	96	5.6	6.2	1.14	81	.110
FEB	18.601	.664	.855	2.200	99	4.4	95	1.7	59	12.0	79	.8	4.6	.28	93	.080
MAR	24.592	.793	1.243	2.750	103	8.4	91	2.3	68	14.2	79	1.3	5.3	.28	94	.123
APR	28.040	.935	1.100	2.350	56	14.0	75	1.1	59	10.2	82	1.3	2.9	.38	86	.071
MAY	27.851	.898	1.252	2.250	84	3.4	95	2.2	71	5.1	92	1.8	3.6	.18	95	.095
JUN	24.944	.860	2.000	2.150	169	1.7	98	4.1	60	4.4	92	1.3	4.1	.06	98	.101
JUL	25.569	.825	1.205	2.100	360	3.4	99	9.1	198	7.9	96	4.8	7.9	.44	94	.191
AUG	23.911	.771	.903	2.150	177	2.4	98	4.1	134	6.9	94	3.0	6.4	.28	95	.146
SEP	27.678	.923	1.488	2.900	323	3.4	98	8.8		5.9			4.9	.14	97	.132
OCT	30.089	.971	1.207	2.160	74	1.4	98	2.1		6.1			4.9	.20	95	.141
NOV	22.928	.764	1.266	1.750	30	1.8	94	.6	128	7.7	93	2.7	2.7	.38	85	.053
DEC	22.090	.713	.854	2.100	54	3.2	94	1.1	54	6.2	88	1.0	3.7	.20	94	.077
TOTAL	298.062							41.4				24.1				1.320
AVERAGE		.818			142	4.6	94		110	8.0	89		4.7	.33	92	
MAXIMUM			2.000													
NO. OF SAMPLES					10	12			10	12			12	12		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000944

BRADFORD WPCP

MUNICIPALITY : BRADFORD
REGION : 03 CENTRAL

**

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUS
EFFLUENT POLISHINGDESIGN POPULATION : 12,000
POPULATION SERVED : 8,500
PERCENT SERVED : 70.8

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 6.819 1000 M3

DESIGN BOD5 : 230.0 MG/L

DESIGN SUSP.SOLIDS : 425.0 MG/L

<--- FLOW DATA

---><---BIOCHEMICAL OXYGEN DEMAND-><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG																															
JAN/86-DEC/86																																												
JAN	106.210	3.426	4.712	10.917	265	4.0	98	27.7	451	6.3	98	47.2	7.3																															
FEB	123.361	4.406	4.843	10.800	260	2.5	99	31.7	561	5.1	99	68.6	8.4																															
MAR	148.694	4.797	6.705	13.000	260	4.3	98	38.0	1054	8.7	99	155.4	8.4																															
APR	112.162	3.739	4.385	12.600	260	6.0	97	28.4	365	4.6	98	40.4	11.2																															
MAY	108.485	3.500	4.555	10.900	187	3.9	97	19.8	254	4.7	98	27.1	7.0																															
JUN	100.683	3.356	3.929	9.900	166	1.8	98	16.5	266	2.8	98	26.5	8.7																															
JUL	100.138	3.230	5.532	15.900	213	2.8	98	21.0	280	1.8	99	27.8	5.4																															
AUG	110.733	3.572	5.695	18.182	105	4.0	96	11.1	356	2.7	99	39.1	5.5																															
SEP	133.673	4.456	6.885	10.900	205	5.0	97	26.7	643	5.6	99	85.3	7.5																															
OCT	125.239	4.040	5.108	10.900	159	2.3	98	19.6	694	4.5	99	86.3	7.6																															
NOV	103.415	3.447	3.727	10.800	164	8.9	94	16.0	622	9.0	98	63.4	7.8																															
DEC	110.652	3.569	3.990	10.520	157	14.4	90	15.7	505	3.1	99	55.5	6.5																															
TOTAL					1383.445				272.8				723.2				10.280																											
AVERAGE					3.795				200				4.9				97				504				4.9				98				7.6				.22				96			
MAXIMUM					6.885																																							
NO. OF SAMPLES									13				12								220				224								12				208							

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001596

COLDWATER WPCP

MUNICIPALITY : COLDWATER

REGION : 03 CENTRAL

TREATMENT FACILITY : EXTENDED AERATION

DESIGN POPULATION : 1,200

POPULATION SERVED : 761

PERCENT SERVED : 63.4

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.545 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

-----<---				FLOW DATA				----><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				----><--- TOTAL PHOSPHORUS ---->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG			
JAN/86-DEC/86																			
JAN	15.852	.511	.729	1.136	58	12.0	79	.7	69	16.1	76	.8	2.6	2.04	21	.009			
FEB	12.097	.432	.543	1.040	131	10.9	91	1.4	116	15.1	86	1.2	3.7	1.80	51	.023			
MAR	21.221	.685	.975	1.200	255	13.0	94	5.1	293	8.2	97	6.0	8.5	3.60	57	.104			
APR	16.749	.558	.704	1.136	67	8.5	87	.9	44	4.7	89	.6	4.0	2.68	33	.022			
MAY	14.676	.473	.645	1.136	120	12.0	90	1.5	116	16.0	86	1.4	3.5	2.40	31	.016			
JUN	15.593	.520	.640	1.200	106	6.0	94	1.5	119	4.7	96	1.7	6.1	3.52	42	.040			
JUL	13.345	.430	.921	1.350	168	4.8	97	2.1	149	4.6	96	1.9	8.4	3.40	59	.067			
AUG	12.195	.393	.529	1.363	108	1.8	98	1.2	174	2.5	98	2.0	4.5	3.04	32	.018			
SEP	16.159	.539	1.018	1.500	107	3.4	96	1.6	125	3.9	96	1.9	6.9	3.40	50	.057			
OCT	16.976	.548	.817	1.272	104	3.0	97	1.7	127	6.5	94	2.0	5.8	2.85	50	.050			
NOV	13.057	.435	.551	1.091	81	5.6	93	.9	79	7.0	91	.9	4.1	2.43	40	.022			
DEC	13.635	.440	.577	1.000	127	4.5	96	1.6	78	5.5	93	.9	6.8	2.90	57	.053			
TOTAL		181.555						20.9				21.9				.481			
AVERAGE			.497		119	7.1	93		124	7.9	92		5.4	2.83	44				
MAXIMUM				1.018															
NO. OF SAMPLES					12	12			12	12			12	12					

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110003282

ANGUS WPCP

MUNICIPALITY : ESSA (ANGUS)

REGION : 03 CENTRAL

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 5,600
POPULATION SERVED : 2,560
PERCENT SERVED : 45.7

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 3.395 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<---		FLOW DATA			---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><-- TOTAL PHOSPHORUS ---->			
	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
DATE	1000 M3						%			%			%			%
JAN/86-DEC/86																
JAN	18.902	.610	.783	6.200	315	18.0	94	5.6	162	13.9	91	2.7	8.6	1.00	88	.145
FEB	15.835	.566	.761	6.200	328	10.3	96	5.0	191	7.0	96	2.9	9.7	2.34	75	.117
MAR	26.760	.863	1.257	6.200	176	3.4	98	4.6	127	10.6	91	3.1	8.1	1.60	80	.175
APR	29.750	.992	1.172	6.200	86	5.0	94	2.4	104	3.8	96	2.9	4.9	.36	92	.135
MAY	20.084	.648	.986	6.200	158	5.2	96	3.0	223	9.6	95	4.2	8.6	3.76	56	.098
JUN	18.001	.600	.775	6.200	159	3.1	98	2.8	159	9.2	94	2.6	9.7	1.10	88	.155
JUL	16.875	.544	.644	6.200	146	8.7	94	2.3	131	4.0	96	2.1	10.0	1.66	83	.141
AUG	19.023	.614	.774	6.200	140	3.3	97	2.6	156	11.0	92	2.7	8.8	1.40	84	.141
SEP	29.655	.988	1.437	6.200	165	3.4	97	4.7	150	6.9	95	4.2	9.5	.72	92	.262
OCT	34.302	1.107	1.520	6.200	65	4.6	92	2.0	64	6.6	89	1.9	3.9	.60	84	.113
NOV	21.782	.726	.845	6.200	122	4.5	96	2.5	124	1.8	98	2.6	6.5	1.12	82	.117
DEC	23.929	.772	.912	6.200	131	1.8	98	3.0	92	8.6	90	1.9	7.6	.56	92	.170
TOTAL		274.898						40.9				34.5				1.769
AVERAGE			.753		165	5.9	96		140	7.7	94		8.0	1.35	83	
MAXIMUM				1.520												
NO. OF SAMPLES					13	13			13	13			13	13		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002238

MILLBROOK WPCP

MUNICIPALITY : MILLBROOK

REGION : 03 CENTRAL

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 2,000
POPULATION SERVED : 975
PERCENT SERVED : 48.7

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.136 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 250.0 MG/L

FLOW DATA					BIOCHEMICAL OXYGEN DEMAND				SUSPENDED SOLIDS				TOTAL PHOSPHORUS			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	%	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	%	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	%
JAN/86-DEC/86																
JAN	27.590	.920	1.319	.467	131	8.9	93	3.3	150	19.0	87	3.6	6.5	.46	92	.167
FEB	20.624	.764	.856	.359	130	2.4	98	2.6	98	10.7	89	1.8	4.5	.34	92	.086
MAR	39.057	1.260	2.892	1.018	82	4.2	94	3.0	83	10.8	86	2.8	4.9	.18	96	.184
APR	32.630	1.088	2.371	.491	70	6.8	90	2.0	56	7.7	86	1.5	3.8	.26	93	.116
MAY	24.973	.806	.938	.417	149	1.4	99	3.6	134	7.5	94	3.1	6.0	.28	95	.143
JUN	24.894	.830	1.330	.436	85	8.2	90	1.9	52	6.9	86	1.1	4.1	.18	95	.098
JUL	21.181	.683	.883	.654	44	.8	98	.9	39	6.0	84	.6	2.6	.14	94	.052
AUG	22.466	.725	1.035	.515	45	.7	98	.9	31	5.3	82	.5	4.1	.20	95	.088
SEP	26.037	.868	1.734	.633	41	2.0	95	1.0	77	6.2	91	1.8	3.5	.16	95	.087
OCT	32.825	1.059	1.630	.555	63	4.3	93	1.9	44	9.1	79	1.1	4.1	.30	92	.125
NOV	25.204	.840	.975	.394	96	4.5	95	2.3	48	6.3	86	1.0	4.4	.16	96	.107
DEC	30.978	.999	1.379	.778	177	14.9	91	5.0	116	9.5	91	3.2	5.4	.68	87	.146
TOTAL																
328.459									28.8				22.7			
AVERAGE																

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002381

WOODLAND ACRES WPCP

MUNICIPALITY : SMITH (WOODLAND ACRES)
REGION : 03 CENTRAL

TREATMENT FACILITY : EXTENDED AERATION

DESIGN POPULATION : 0
POPULATION SERVED : 435
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.363 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

----><-BIOCHEMICAL OXYGEN DEMAND-><--- SUSPENDED SOLIDS ----><--- TOTAL PHOSPHORUS ---->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG
JAN/86-DEC/86																
JAN	7.800	.260	.781	.225	88	2.9	96	.6	43	1.3	96	.3	2.3	1.50	34	.006
FEB	5.930	.212	.244	.098	60	5.2	91	.3	59	7.6	87	.3	2.5	1.98	20	.003
MAR	14.880	.480	1.202	.327	50	1.3	97	.7	66	4.0	93	.9	3.0	1.98	34	.015
APR	6.932	.231	.723	.208	32	5.7	82	.1	13	2.5	80		1.5	1.20	20	.002
MAY	8.370	.270	.466		27	4.4	83	.1	57	1.3	97	.4	2.7	1.58	41	.009
JUN	7.614	.254	.371		40	2.3	94	.2	40	1.3	96	.2	2.4	1.60	33	.006
JUL	5.148	.166	.208		40	1.9	95	.1	28	1.2	95	.1	2.5	1.90	24	.003
AUG	4.899	.158	.208		72	2.4	96	.3	20	1.5	92		4.6	1.40	69	.016
SEP	7.011	.234	.349		16	3.6	77		28	11.1	60	.1	1.4	.58	58	.006
OCT	8.945	.289	.601		29	2.4	91	.2	28	5.9	78	.1	1.6	1.42	11	.002
NOV	5.606	.187	.285		53	8.9	83	.2	13	6.4	50		3.0	2.60	13	.002
DEC	6.960	.225	.347		54	3.2	94	.3	47	2.2	95	.3	3.8	2.36	37	.010
TOTAL	90.095							3.8				3.2				.080
AVERAGE		.247			46	3.6	90		36	3.8	85		2.6	1.67	33	
MAXIMUM			1.202													
NO. OF SAMPLES					13	13			13	13			13	13		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 120003227

VICTORIA HARBOUR WPCP

MUNICIPALITY : VICTORIA HARBOUR

**

REGION : 03 CENTRAL

TREATMENT FACILITY : EXTENDED AERATION
 PHOSPHORUS REMOVAL-CONTINUOUS
 EFFLUENT POLISHING

DESIGN POPULATION : 4,000
 POPULATION SERVED : 1,455
 PERCENT SERVED : 36.3

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 2.363 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

FLOW DATA					BIOCHEMICAL OXYGEN DEMAND				SUSPENDED SOLIDS				TOTAL PHOSPHORUS			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG
JAN/86-DEC/86																
JAN	20.487	.661	.881	1.800	143	1.8	98	2.8	88	2.4	97	1.7	3.3	.20	93	.065
FEB	16.481	.589	.637	1.920	88	3.6	95	1.4	70	2.2	96	1.1	2.4	.16	93	.038
MAR	23.780	.767	1.241	1.920	93	2.0	97	2.1	52	3.1	94	1.1	1.4	.22	84	.028
APR	17.029	.568	.679	1.650	97	.9	99	1.6	56	1.4	97	.9	2.7	.19	92	.043
MAY	17.626	.569	.681	1.910	125	2.0	98	2.1	130	1.3	99	2.2	4.3	.24	94	.072
JUN	17.803	.593	.816	1.920	61	1.5	97	1.0	105	1.6	98	1.8	4.2	.22	94	.072
JUL	19.729	.636	.816	1.920	76	2.6	96	1.4	105	1.9	98	2.0	6.2	.28	95	.118
AUG	21.687	.700	.822	1.920	93	1.6	98	1.9	93	2.8	97	1.9	4.9	.29	94	.101
SEP	18.856	.629	.803	1.920	61	3.2	94	1.0	79	.7	99	1.4	4.7	.29	93	.083
OCT	19.801	.639	1.013	1.910	58	.7	98	1.1	58	.5	99	1.1	3.0	.20	93	.056
NOV	17.745	.592	.910	1.920	75	2.5	96	1.3	85	.3	99	1.5	3.4	.12	96	.058
DEC	19.817	.639	.746	1.920	57	1.5	97	1.1	65	2.0	96	1.2	3.6	.24	93	.068
TOTAL	230.841							19.4				18.5				.802
AVERAGE		.632			85	2.0	97		82	1.7	97		3.7	.22	93	
MAXIMUM			1.241													
NO. OF SAMPLES					15	16			18	19			21	66		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 120001862

WASAGA BEACH WPCP (SUM.POP.SERV.73000)

MUNICIPALITY : WASAGA BEACH
REGION : 03 CENTRAL

**

TREATMENT FACILITY : EXTENDED AERATION
EFFLUENT POLISHING
EXFILTRATIONDESIGN POPULATION : 12,900
POPULATION SERVED : 3,090
PERCENT SERVED : 23.9

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 5.773 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<---				FLOW DATA				----<<--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				----><--- TOTAL PHOSPHORUS				---->				
	TOTAL	AVG DAY	MAX DAY	PEAK RT				REDUCTION				REDUCTION				REDUCTION							REDUCTION	
DATE	VOLUME	1000 M3	1000 M3	1000 M3	INFLUENT	EFFLUENT		1000	INFLUENT	EFFLUENT		1000	INFLUENT	EFFLUENT		1000	INFLUENT	EFFLUENT		1000	INFLUENT	EFFLUENT		1000
	1000 M3	/DAY	/DAY	/DAY	MG/L	MG/L	%	KG	MG/L	MG/L	%	KG	MG/L	MG/L	%	KG	MG/L	MG/L	%	KG	MG/L	MG/L	%	KG
JAN/86-DEC/86																								
JAN	19.465	.628	.746	3.400	185				101								5.9							
FEB	16.431	.587	.662	3.200	107				64								5.4							
MAR	26.908	.868	1.212	3.200	70				47								4.2							
APR	31.487	1.050	1.328	3.200	50				36								2.2							
MAY	36.542	1.179	1.658	3.200	34				25								2.6							
JUN	36.297	1.210	2.543	3.200	147				53								4.1							
JUL	62.293	2.009	2.618	3.400	142				119								6.5							
AUG	61.014	1.968	3.075	3.400	143				133								6.8							
SEP	38.589	1.286	1.966	3.400	128				83								6.6							
OCT	41.335	1.333	1.862	3.200	39				21								1.6							
NOV	26.771	.892	1.050	3.400	28				32								2.6							
DEC	25.496	.822	.988	3.400	26				50								3.9							
TOTAL																								
	422.628																							
AVERAGE																								
		1.153			91		-		63		-						4.3		-					
MAXIMUM																								
			3.075																					
NO. OF SAMPLES																								
					12				12								12							

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001612

FENELON FALLS WPCP(SUMMER POPSERVE 3136)

MUNICIPALITY : FENELON FALLS
REGION : 03 CENTRALTREATMENT FACILITY : OXIDATION DITCH
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 2,200
POPULATION SERVED : 1,798
PERCENT SERVED : 81.7

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.000 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 250.0 MG/L

<---				FLOW DATA				----><<BIOCHEMICAL OXYGEN DEMAND-><---				SUSPENDED SOLIDS				----><< TOTAL PHOSPHORUS ---->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG			
JAN/86-DEC/86																			
JAN	34.680	1.119	7.000	2.470	120	14.9	87	3.6	117	12.0	89	3.6	6.5	2.24	65	.149			
FEB	24.860	.888	7.000	2.000	107	7.3	93	2.4	138	10.0	92	3.1	6.7	2.64	60	.101			
MAR	37.190	1.200	2.320	3.110	41	10.0	75	1.1	29	6.8	76	.8	3.2	.74	76	.091			
APR	29.200	.973	1.450	2.340	75	8.4	88	1.9	56	9.4	83	1.3	4.3	.34	92	.116			
MAY	28.580	.922	1.970	2.470	92	24.0	73	1.9	115	10.6	90	2.9	5.7	.56	90	.147			
JUN	28.900	.963	6.700	2.040	86	3.6	95	2.3	100	8.6	91	2.6	5.6	.50	91	.147			
JUL	18.930	.611	.680	2.040	121	7.0	94	2.1	101	6.6	93	1.7	6.5	.80	87	.108			
AUG	21.100	.681	.890	2.000	107	4.4	95	2.1	104	6.8	93	2.0	5.4	.88	83	.095			
SEP	28.570	.952	1.880	3.320	43	3.0	93	1.1	75	8.7	88	1.8	2.9	.71	75	.063			
OCT	25.820	.833	1.400	2.130	84	5.6	93	2.0	72	7.5	89	1.6	3.7	.60	83	.080			
NOV	15.740	.525	.750	1.960	72	4.8	93	1.0	85	8.8	89	1.1	4.8	.80	83	.063			
DEC	19.790	.638	.930	2.000	109	11.0	89	1.9	68	10.3	84	1.1	6.4	.77	87	.111			
TOTAL	313.360							24.0				24.3				1.271			
AVERAGE		.859			88	8.6	89		88	8.8	88		5.1	.96	81				
MAXIMUM			7.000																
NO. OF SAMPLES					12	14			12	12			13	12					

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001827

HASTINGS WPCP

MUNICIPALITY : HASTINGS

REGION : 03 CENTRAL

TREATMENT FACILITY : OXIDATION DITCH
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 2,421
POPULATION SERVED : 926
PERCENT SERVED : 38.2

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.059 1000 M3

DESIGN BOD5 : 362.0 MG/L

DESIGN SUSP.SOLIDS : 234.0 MG/L

<---		FLOW DATA			----<--BIOCHEMICAL OXYGEN DEMAND-->----				SUSPENDED SOLIDS				---->-- TOTAL PHOSPHORUS ---->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG
JAN/86-DEC/86																
JAN	24.354	.786	1.855		20	4.2	79	.3	14	2.8	80	.2				
FEB	20.270	.724	.866		19	5.6	70	.2	20	9.7	51	.2				
MAR	34.937	1.127	2.322		8	6.2	22		7	6.4	8					
APR	27.958	.932	1.153		8	1.5	81	.1	7	4.6	34					
MAY	21.906	.707	.795		15	.7	95	.3	9	3.7	58	.1		.40		
JUN	18.344	.611	.689		13	.8	93	.2	8	4.0	50					
JUL	15.076	.486	.575		34	2.1	93	.4	51	15.5	69	.5				
AUG	14.689	.474	.504		19	1.8	90	.2	27	4.2	84	.3	1.6	.24	85	.020
SEP	21.283	.709	1.849		33	1.1	96	.6	215	1.2	99	4.5	.7	.22	70	.011
OCT	25.496	.822	1.189		48	2.2	95	1.1	48	10.9	77	.9	3.2	.40	87	.071
NOV	20.807	.694	.814													
DEC	27.034	.872	1.155		44	11.0	75	.8	45	40.1	10	.1	4.2	.14	96	.110
TOTAL		272.154						4.9				7.2				.212
AVERAGE			.745		23	3.3	81		41	9.3	56		2.4	.28	84	
MAXIMUM				2.322												
NO. OF SAMPLES					11	11			11	11			5	25		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001499

NORWOOD WPCP

MUNICIPALITY : NORWOOD

REGION : 03 CENTRAL

TREATMENT FACILITY : OXIDATION DITCH
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 1,500
POPULATION SERVED : 1,103
PERCENT SERVED : 73.5

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.727 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 250.0 MG/L

<--- FLOW DATA

----<<-BIOCHEMICAL OXYGEN DEMAND-><--- SUSPENDED SOLIDS ----><--- TOTAL PHOSPHORUS ---->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG
JAN/86-DEC/86																
JAN	15.824	.510	.724	1.910	28	5.6	80	.3	19	5.7	70	.2	1.6	1.00	37	.009
FEB	12.690	.453	.501	1.770	102	14.0	86	1.1	107	15.0	85	1.1	5.7	.78	86	.062
MAR	19.135	.617	1.135	2.000	31	6.3	79	.4	16	6.5	59	.1	1.4	1.80	-	-
APR	17.421	.581	.694	2.000	23	3.5	84	.3	8	3.5	56		1.2	.34	71	.015
MAY	13.974	.451	.485	2.000	94	7.7	91	1.2	64	2.6	95	.8	3.9	.36	90	.049
JUN	12.883	.429	.465	1.950	65	5.0	92	.7	60	3.9	93	.7	5.2	.64	87	.059
JUL	11.686	.377	.424	2.000	21	1.7	92	.2	16	2.7	83	.1	1.7	.64	62	.012
AUG	11.669	.376	.403	2.230	22	1.7	92	.2	19	3.8	80	.1	1.7	.64	63	.013
SEP	12.586	.420	.478	2.090	87	6.5	92	1.0	3				4.6	.76	83	.048
OCT	14.339	.463	.516	2.010												
NOV	13.216	.441	.479	1.950												
DEC	13.617	.439	.463	1.820	24	13.0	47	.1	14	6.6	53	.1	2.1	.88	58	.017
TOTAL	169.040							5.9				3.6				.284
AVERAGE		.463			49	6.5	83		32	5.5	75		2.9	.78	71	
MAXIMUM			1.135													
NO. OF SAMPLES					10	10			10	9			10	30		



WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001765 HAVELOCK LAGOON

MUNICIPALITY : HAVELOCK
REGION : 03 CENTRALTREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 1,600
POPULATION SERVED : 1,350
PERCENT SERVED : 84.3

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.581 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 250.0 MG/L

<---		FLOW DATA			---><--BIOCHEMICAL OXYGEN DEMAND--><---			SUSPENDED SOLIDS			---><--- TOTAL PHOSPHORUS			---->		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %			
JAN/86-DEC/86																
JAN	23.817	.768	.973		143			175			7.8					
FEB	21.049	.752	1.018		67			137			5.6					
MAR	28.922	.933	1.386		107			176			4.4					
APR	29.327	.978	1.162		101			198			6.0					
MAY	25.418	.820	.995		141			123			6.3					
JUN	22.390	.746	.906		127			144			7.8					
JUL	21.100	.681	.759		161			202			6.9					
AUG	21.274	.686	.906		310			376			9.7					
SEP	21.482	.716	.827		81						4.8					
OCT	25.673	.828	.984		65			73			4.4					
NOV	21.673	.722	.882		199			202			7.8					
DEC	23.338	.753	1.000		104			54			4.5					
TOTAL																
	285.463															
AVERAGE																
		.782			133		-	169		-	6.3		-			
MAXIMUM																
			1.386													
NO. OF SAMPLES																
					12			11			12					

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001630

OMEMEE LAGOON

MUNICIPALITY : OMEMEE

REGION : 03 CENTRAL

TREATMENT FACILITY : LAGOON AND SPRAY

DESIGN POPULATION : 1,350

POPULATION SERVED : 653

PERCENT SERVED : 48.3

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.613 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND-->----				SUSPENDED SOLIDS			---><--- TOTAL PHOSPHORUS		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	8.966	.289	.584		395			276			10.7		
FEB	6.684	.239	.308		211			178			8.1		
MAR	14.298	.461	1.156		275			301			10.2		
APR	11.328	.378	.499		210			260			9.4		
MAY	7.637	.255	.375		151			261			8.5		
JUN	7.631	.246	.323		147			260			17.1		
JUL	5.594	.180	.245		131			143			8.9		
AUG	5.552	.179	.253		120			106			9.6		
SEP	7.714	.257	.788		272			429			9.4		
OCT	9.913	.320	.590		256			167			5.9		
NOV	7.216	.241	.324		165			131			8.3		
DEC	9.412	.304	.452		223			210			9.2		
TOTAL													
	101.945												
AVERAGE													
		.279			213		-	226		-	9.6		-
MAXIMUM													
			1.156										
NO. OF SAMPLES													
					12			12			12		



WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000917

BEETON LAGOON

MUNICIPALITY : BEETON

REGION : 03 CENTRAL

TREATMENT FACILITY : EXFILTRATION LAGOON

DESIGN POPULATION : 2,000

POPULATION SERVED : 2,105

PERCENT SERVED : 105.2

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.363 1000 M3

DESIGN BOD5 : 95.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS			---><--- TOTAL PHOSPHORUS --->		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	23.523	.759	.910		176			174			8.1		
FEB	20.388	.728	.786		115			130			5.8		
MAR	38.671	1.247	2.115		120			135			5.9		
APR	33.301	1.110	1.264		115			112			5.1		
MAY	27.433	.885	1.267		146			237			7.7		
JUN	27.849	.928	1.189		154			135			7.9		
JUL	21.175	.683	.792		171			145			7.9		
AUG	24.130	.778	1.151		159			172			8.6		
SEP	32.601	1.087	1.570		161			175			8.6		
OCT	33.733	1.088	1.833		123			156			7.4		
NOV	24.951	.832	1.140		121			253			7.2		
DEC	29.564	.954	1.122		101			247			6.5		
TOTAL													
	337.319												
AVERAGE													
		.923			138		-	172		-	7.2		-
MAXIMUM													
			2.115										
NO. OF SAMPLES													
					13			13			13		



SOUTHEASTERN REGION (4)

REGIONAL OFFICE

KINGSTON

133 Dalton Ave.

613-549-400

PRIMARY TREATMENT PLANT

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000132 CORNWALL WPCP

MUNICIPALITY : CORNWALL (CORNWALL)
REGION : 04 SOUTHEASTERNTREATMENT FACILITY : PRIMARY
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 46,800
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 37.504 1000 M3

DESIGN BOD5 : 130.0 MG/L

DESIGN SUSP.SOLIDS : 160.0 MG/L

FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><-- TOTAL PHOSPHORUS --->				
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																
JAN	1489.060	48.030	87.300	92.000	46	29.0	36	25.3	100	35.0	65	96.7	2.5	1.42	43	1.608
FEB	1072.400	38.300	47.900	90.000	116	72.0	37	47.1	126	25.0	80	108.3	2.9	.97	66	2.070
MAR	1785.440	57.600	86.600	96.000	81	58.0	28	41.0	98	21.0	78	137.4	2.1	.88	58	2.178
APR	1518.620	50.620	65.400	89.000	63	43.0	31	30.3	104	22.0	78	124.5	2.5	1.03	58	2.232
MAY	1345.440	43.400	60.300	96.000	87	54.0	37	44.4	153	30.0	80	165.4	3.0	1.14	62	2.503
JUN	1345.750	44.860	64.200	98.000	64	33.0	48	41.7	99	31.0	68	91.5	3.0	1.13	62	2.517
JUL	1703.650	54.960	81.600	105.000	40	18.0	55	37.4	108	19.0	82	151.6	2.3	.83	63	2.504
AUG	1748.680	56.410	73.400	95.000	40	31.0	22	15.7	111	17.0	84	164.3	2.2	.66	70	2.693
SEP	1679.800	55.990	77.300	108.000	61	29.0	52	53.7	115	20.0	82	159.5	2.6	.78	70	3.057
OCT	1981.920	63.930	90.500	95.000	68	46.0	32	43.6	133	24.0	81	216.0	2.3	.83	63	2.913
NOV	1873.500	62.450	87.200	98.000					100	32.0	68	127.3	2.1	.92	56	2.211
DEC	1815.620	58.570	86.200	96.000	53	41.0	22	21.7	74	28.0	62	83.5	2.2	1.09	50	2.015
TOTAL					402.4				1626.6				28.501			
19359.880																
AVERAGE																
					52.927				65 41.2 36				110 25.3 76 2.4 .97 60			
MAXIMUM																
					90.500											
NO. OF SAMPLES																
					22 22				47 47				160 160			

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 120000587

PETAWAWA WPCP

MUNICIPALITY : PETAWAWA

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : PRIMARY
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 14,000
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 4.546 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---					SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS --->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																
JAN	121.370	3.920	4.600	5.000	141	89.6	36	6.2	127	54.4	57	8.8	5.2	4.23	18	.118
FEB	109.320	3.900	4.350		155	91.0	41	6.9	132	69.7	47	6.8	5.8	3.95	31	.202
MAR	134.280	4.330	6.100	11.900	117	84.4	27	4.3	203	73.6	63	17.3	6.2	4.90	20	.175
APR	134.150	4.470	4.860	7.800	122	63.5	47	7.8	116	58.5	49	7.7	5.8	4.00	31	.241
MAY	132.058	4.250	5.080	7.200	120	65.4	45	7.2	137	53.4	61	11.0	5.5	3.80	30	.224
JUN	130.100	4.370	4.800	7.200	93	72.7	21	2.6	125	53.8	56	9.2	5.9	4.50	23	.182
JUL	128.420	4.140	4.990	6.800	145	101.3	30	5.6	156	84.6	45	9.1	6.8	4.17	38	.338
AUG	139.960	4.510	5.300	8.200	103	42.3	58	8.4	134	42.6	68	12.7	6.4	3.90	39	.350
SEP	151.960	5.070	8.730	9.000	109	54.0	50	8.3	119	56.0	52	9.5	5.3	4.80	9	.076
OCT	143.920	4.640		8.200	73	54.1	25	2.7	188	62.3	66	18.0	4.4	2.90	34	.216
NOV	139.390	4.650	5.930	8.600	112	35.0	68	10.7	138	40.0	71	13.6	6.3	3.90	38	.335
DEC	120.970	3.900	4.450	7.800	106	54.0	49	6.2	167	67.1	59	12.0	4.5	3.80	15	.085
TOTAL		1585.898						77.5				136.3				2.542
AVERAGE			4.346		116	67.2	42		145	59.6	58		5.6	4.07	27	
MAXIMUM				8.730												
NO. OF SAMPLES					54	53			56	55			48	51		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001122

EDWARDSBURGH WPCP

MUNICIPALITY : PRESCOTT (EDWARDSBURGH)
REGION : 04 SOUTHEASTERNTREATMENT FACILITY : PRIMARY
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 5,682
POPULATION SERVED : 4,595
PERCENT SERVED : 80.8

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 5.682 1000 M3

DESIGN BOD5 : 80.0 MG/L

DESIGN SUSP.SOLIDS : 160.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><-- TOTAL PHOSPHORUS ---->			
	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG			
DATE	1000 M3																		
JAN/86-DEC/86																			
JAN	172.700	5.570	13.360	17.080	35	20.0	42	2.5	102	29.0	71	12.6	2.5	.70	72	.311			
FEB	107.470	3.700	4.710	12.960	71	29.0	59	4.5	167	28.0	83	14.9	4.0	.80	80	.344			
MAR	193.520	6.240	14.240	17.080	57	19.0	66	7.3	172	22.0	87	29.0	4.5	.70	84	.735			
APR	150.660	5.020	9.700	17.280	57	18.0	68	5.8	210	23.0	89	28.1	1.3	.50	61	.121			
MAY	111.220	5.050	6.680	12.960	59	27.0	54	3.5	163	22.5	86	15.6	5.4	.55	89	.539			
JUN	153.100	4.940	8.950	12.960	42	13.0	69	4.4	273	21.0	92	38.5	6.0	.50	91	.842			
JUL	161.870	5.220	7.390	17.080	23	8.0	65	2.4	86	10.0	88	12.3	1.9	.40	78	.243			
AUG	198.140	6.390	9.620	17.080	45	9.0	80	7.1	237	13.0	94	44.3	5.0	.50	90	.892			
SEP	146.340	4.880	8.600	17.080	36	19.0	47	2.4	102	18.0	82	12.2	2.8	.60	78	.322			
OCT	161.850	5.395	7.460	17.080	45	25.0	44	3.2	192	48.0	75	23.3	6.4	2.50	60	.631			
NOV	160.290	5.010	8.350	17.080	70	31.0	55	6.2	90	18.0	80	11.5	2.2	.50	77	.272			
DEC	164.730	5.491	11.560	17.080	55	14.0	74	6.7	99	14.0	85	14.0	2.9	.50	82	.395			
TOTAL		1881.890						56.6				256.7				5.647			
AVERAGE			5.242		49	19.3	60		157	22.2	84		3.7	.72	78				
MAXIMUM				14.240															
NO. OF SAMPLES					22	22			23	23			45	45					

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000016 BELLEVILLE WPCP (163500 M3/D.PRIMARY)

MUNICIPALITY : BELLEVILLE
REGION : 04 SOUTHEASTERNTREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 53,000
POPULATION SERVED : 35,351
PERCENT SERVED : 66.7

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 54.552 1000 M3

DESIGN BOD5 : 130.0 MG/L

DESIGN SUSP.SOLIDS : 175.0 MG/L

<---		FLOW DATA			---><-BIOCHEMICAL OXYGEN DEMAND-><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				----	
	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG		
DATE	1000 M3																	
JAN/86-DEC/86																		
JAN	1381.900	44.580	122.800	245.000	199	32.0	83	230.7	82	13.0	84	95.3	3.6	.70	80	4.008		
FEB	1011.400	36.100	48.200	70.000	195	28.0	85	168.9	102	13.0	87	90.0	3.7	.50	86	3.236		
MAR	1923.300	62.000	144.800	163.000	155	28.0	81	244.2	88	16.0	81	138.4	3.3	.50	84	5.385		
APR	1515.700	50.500	69.200	85.000	79	31.0	60	72.7	109	20.0	81	134.8	4.0	.90	77	4.699		
MAY	1466.900	47.300	87.600	138.000	167	45.0	73	178.9	107	12.0	88	139.3	3.4	.60	82	4.107		
JUN	1338.900	44.600	62.500	105.000	183	27.0	85	208.8	99	7.0	92	123.1	3.7	.60	83	4.151		
JUL	1212.800	39.100	42.300	95.000	195	36.0	81	192.8	109	6.0	94	124.9	3.9	.50	87	4.124		
AUG	1292.800	41.700	52.700	130.000	202	28.0	86	224.9	117	6.0	94	143.5	4.1	.50	87	4.654		
SEP	1671.800	55.700	92.200	150.000	172	28.0	83	240.7	104	12.0	88	153.8	3.6	.40	88	5.350		
OCT	1238.100	39.900	58.200	80.000	91	30.0	67	75.5	91	16.0	82	92.8	2.9	.50	82	2.971		
NOV	938.400	31.280	46.200	70.000	184	18.0	90	155.7	116	12.4	89	97.2	3.6	.65	81	2.768		
DEC	1399.200	45.135	93.900	165.000	102	27.0	73	104.9	95	16.3	82	110.1	3.4	.45	86	4.128		
TOTAL		16391.200						2099.2				1443.6				49.581		
AVERAGE			44.825			160	29.8	79		101	12.4	87		3.6	.56	84		
MAXIMUM				144.800														
NO. OF SAMPLES						53	55			171	171			157	159			

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000365

KINGSTON WPCP

MUNICIPALITY : KINGSTON (T)

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 18,700
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 25.003 1000 M3

DESIGN BOD5 : 238.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				--->	
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	
JAN/86-DEC/86																	
JAN	521.447	16.821	39.506		299	10.8	96	150.2	283	21.0	92	136.6	8.9	.97	89	4.135	
FEB	395.361	14.120	18.855		349	11.3	96	133.5	455	8.6	98	176.4	6.6	.31	95	2.487	
MAR	925.946	23.418	42.579		343	13.1	96	305.4	135	14.9	88	111.2	4.9	.36	92	4.204	
APR	541.110	18.037	21.300		334	6.4	98	177.2	1073	7.7	99	576.4	8.5	.44	94	4.361	
MAY	534.136	17.230	27.262		355	8.4	97	185.1	153	12.8	91	74.8	4.2	.31	92	2.078	
JUN	581.975	19.399	41.884		335	6.0	98	191.4	136	4.8	96	76.3	5.9	1.40	76	2.619	
JUL	493.651	15.924	21.293		280	5.8	97	135.3	155	3.5	97	74.7	5.5	1.40	74	2.024	
AUG	560.080	18.067	24.670		194	6.7	96	104.9	136	3.0	97	74.4	5.1	1.96	61	1.759	
SEP	592.090	19.736	42.410		324	6.2	98	188.1	120	4.8	96	68.2	5.4	.93	82	2.647	
OCT	679.030	21.904	33.110		239	5.0	97	158.8	144	5.8	95	93.8	4.8	.48	90	2.933	
NOV	554.782	18.493	31.450		165	9.9	94	86.0	105	12.5	88	51.3	7.3	2.80	61	2.497	
DEC	639.902	20.642	36.730		248	9.8	96	152.4	164	14.9	90	95.4	6.0	.89	85	3.270	
TOTAL																	
	7019.510							1968.9				1610.0				35.014	
AVERAGE																	
		18.649			288	8.2	96		254	9.5	94		6.0	1.02	83		
MAXIMUM																	
			42.579														
NO. OF SAMPLES																	
					62	65			80	66			98	102			

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000668

BATAWA WPCP

MUNICIPALITY : SIDNEY (BATAWA)
REGION : 04 SOUTHEASTERNTREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 300
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.568 1000 M3

DESIGN BOD5 : 220.0 MG/L

DESIGN SUSP.SOLIDS : 250.0 MG/L

---- FLOW DATA

----><--BIOCHEMICAL OXYGEN DEMAND--><---- SUSPENDED SOLIDS ----><---- TOTAL PHOSPHORUS ---->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																
JAN	36.420	1.170	2.290	2.000	128	4.7	96	4.4	42	11.0	73	1.1	1.6	.80	50	.029
FEB	30.600	1.090	1.230	1.800	53	5.0	90	1.4	42	8.5	79	1.0	2.1	.73	65	.042
MAR	41.020	1.320	1.960	.690	95	5.0	94	3.6	42	8.1	80	1.3	3.0	.77	74	.091
APR	38.120	1.270	1.440	2.000	201	6.2	96	7.4	310	9.5	96	11.4	6.3	.73	88	.212
MAY	35.500	1.150	1.560	2.000	53	4.3	91	1.7	46	13.8	70	1.1	2.2	.90	59	.046
JUN	32.230	1.080	1.300	2.000	66	3.9	94	2.0	81	14.0	82	2.1	3.6	1.20	66	.077
JUL	30.260	.980	1.360	2.000	50	2.5	95	1.4	54	10.8	80	1.3	1.7	1.00	41	.021
AUG	39.420	1.280	1.420	2.000	60	3.2	94	2.2	70	10.0	85	2.3	2.2	1.00	54	.047
SEP	38.130	1.280	1.720	2.000	41	1.8	95	1.4	53	11.0	79	1.6	1.5	.88	41	.024
OCT	43.440	1.410	1.550	2.000	37	2.7	92	1.4	33	9.7	70	1.0	1.7	.77	54	.040
NOV	39.030	1.300	1.490	2.000	27	4.6	82	.8	38	12.4	67	.9	2.6	.65	75	.076
DEC	44.450	1.430	1.860	2.000	44	5.6	87	1.7	33	10.0	69	1.0	2.2	.88	60	.059

TOTAL

448.620

30.0

26.6

.764

AVERAGE

1.230

71

4.1 92

70

10.7 78

2.5

.85 60

MAXIMUM

2.290

NO. OF SAMPLES

45

45

74

74

55

59

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000775 TRENTON WPCP

MUNICIPALITY : TRENTON
REGION : 04 SOUTHEASTERNTREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 20,000
POPULATION SERVED : 15,346
PERCENT SERVED : 76.7

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 15.911 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 300.0 MG/L

---- FLOW DATA

----<--BIOCHEMICAL OXYGEN DEMAND-->---- SUSPENDED SOLIDS ----<-- TOTAL PHOSPHORUS ---->

DATE	TOTAL	AVG DAY	MAX DAY	PEAK RT	INFLUENT	EFFLUENT	REDUCTION			INFLUENT	EFFLUENT	REDUCTION			INFLUENT	EFFLUENT	REDUCTION			
	VOLUME	1000 M3	1000 M3	1000 M3			1000	1000	1000			1000	1000	1000			1000	1000	1000	1000
	1000 M3	/DAY	/DAY	/DAY	MG/L	MG/L	%	KG	MG/L	MG/L	%	KG	MG/L	MG/L	%	KG	MG/L	MG/L	%	KG
JAN/86-DEC/86																				
JAN	359.060	11.580	33.240	50.000	269	17.0	93	90.4	171	13.0	92	56.7	4.4	.22	95	1.501				
FEB	284.080	10.150	12.240	20.000	187	9.5	94	50.4	168	7.5	95	45.5	4.2	.23	94	1.128				
MAR	457.030	14.740	38.520	64.000	199	12.0	93	85.4	133	11.0	91	55.7	5.4	.48	91	2.249				
APR	368.980	12.300	15.720	21.000	197	16.6	91	66.5	116	8.5	92	39.6	5.0	.38	92	1.705				
MAY	363.530	11.730	17.840	62.000	95	8.0	91	31.6	152	8.1	94	52.3	5.6	.41	92	1.887				
JUN	305.560	10.190	13.580	20.000	124	6.7	94	35.8	151	9.1	93	43.3	5.5	.23	95	1.610				
JUL	279.170	9.010	10.570	28.000	200	6.7	96	53.9	166	8.3	95	44.0	7.2	.52	92	1.865				
AUG	310.500	10.020	13.660	26.000	197	7.0	96	58.9	144	7.0	95	42.5	6.6	.39	94	1.928				
SEP	362.880	12.100	20.510	36.000	126	6.0	95	43.5	129	7.4	94	44.1	4.9	.25	94	1.687				
OCT	432.210	13.950	22.740	36.000	219	8.5	96	90.9	168	14.0	91	66.5	4.0	.27	93	1.612				
NOV	341.910	11.390	15.030	37.000	231	13.0	94	74.5	162	15.0	90	50.2	4.5	.32	92	1.429				
DEC	424.400	13.690	22.060	40.000	222	17.0	92	87.0	109	11.0	89	41.5	4.4	.36	91	1.715				

TOTAL

4289.310

769.4

582.5

20.316

AVERAGE

11.738

188

10.6 94

147

9.9 93

5.1

.33 93

MAXIMUM

38.520

NO. OF SAMPLES

51

51

246

246

78

79





SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002283

HAWKESBURY WPCP

MUNICIPALITY : HAWKESBURY

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : MODIFIED ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 11,200
POPULATION SERVED : 10,000
PERCENT SERVED : 89.2

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 12.274 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---		FLOW DATA			----><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				----><---				TOTAL PHOSPHORUS				----	
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION % 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	
JAN/86-DEC/86																						
JAN	293.494	9.467	21.610		74	10.0	86	18.7	87	11.0	87	22.3	3.6	.90	75	.792						
FEB	230.539	8.234	11.146		79	21.0	73	13.3	76	17.0	77	13.6	4.8	1.30	72	.807						
MAR	309.075	9.970	15.002		92	28.6	69	19.7	159	14.5	90	44.6	5.8	.90	84	1.514						
APR	368.718	12.291	19.622		68	19.0	72	18.0	76	28.0	63	17.6	3.3	.80	75	.922						
MAY	353.457	11.402	19.309		92	22.0	76	24.7	73	19.0	73	19.0	3.7	1.00	72	.954						
JUN	321.330	10.711	17.331		81	20.0	75	19.6	93	10.0	89	26.6	2.8	1.00	64	.578						
JUL	303.299	9.783	13.418		89	30.0	66	17.8	107	11.0	89	29.1	3.3	.90	72	.728						
AUG	367.077	11.379	19.349		62	7.0	88	20.1	74	9.0	87	23.8	3.6	.60	83	1.101						
SEP	352.551	11.752	23.486		52	11.0	78	14.4	92	10.0	89	28.9	3.1	.70	77	.846						
OCT	328.942	10.611	15.742		60	35.0	41	8.2	70	10.0	85	19.7	3.8	.70	81	1.020						
NOV	318.705	10.624	14.801		71	25.0	64	14.6	64	7.0	89	18.1	3.0	.30	90	.861						
DEC	327.739	10.572	20.323		51	8.0	84	14.0	85	9.0	89	24.9	5.0	.60	88	1.442						
TOTAL		3874.926						203.8				288.7				11.565						
AVERAGE			10.566			72	19.7	73		88	12.9	84		3.8	.80	78						
MAXIMUM				23.486																		
NO. OF SAMPLES						69	66			86	83			91	90							

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000267

FRANKFORD WPCP

MUNICIPALITY : FRANKFORD

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : CONTACT STABILIZATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 2,000
POPULATION SERVED : 1,970
PERCENT SERVED : 98.5

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.363 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS ---><---				TOTAL PHOSPHORUS ---><---				
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																
JAN	40.531	1.320	4.590	4.800	139	8.2	94	5.3	73	14.6	80	2.3	3.3	.68	79	.106
FEB	34.370	1.230	1.390	2.300	75	6.1	91	2.3	75	24.4	67	1.7	3.3	.42	87	.099
MAR	70.350	2.260	4.800	4.800	138	13.8	90	8.7	74	20.0	72	3.7	4.4	.40	90	.281
APR	48.444	1.610	2.950	4.000	116	10.5	90	5.1	71	21.0	70	2.4	3.4	.56	83	.138
MAY	38.960	1.260	2.070	2.880	73	9.0	87	2.4	95	32.0	66	2.4	4.6	.50	89	.160
JUN	28.591	.950	1.310	2.880	71	5.8	91	1.8	55	23.0	58	.9	3.4	.50	85	.083
JUL	21.731	.700	.860	1.920	132	3.9	97	2.7	116	19.0	83	2.1	4.4	.84	80	.077
AUG	23.330	.750	.820	1.540	133	3.9	97	3.0	59	19.0	67	.9	3.8	.60	84	.075
SEP	34.537	1.150	2.310	3.850	105	2.8	97	3.5	91	16.6	81	2.5	4.1	.50	87	.124
OCT	43.199	1.390	2.040	3.120	149	1.7	98	6.3	85	15.0	82	3.0	3.6	.47	86	.135
NOV	32.924	1.090	1.690	2.490	154	11.3	92	4.6	121	9.8	91	3.6	5.3	.60	88	.155
DEC	47.542	1.530	2.400	3.360	128	9.0	92	5.6	77	14.7	80	2.9	3.7	.35	90	.159
TOTAL		464.509						51.9				28.9				1.592
AVERAGE			1.270			117	7.1	93		82	19.0	75		3.9	.53	86
MAXIMUM				4.800												
NO. OF SAMPLES						45	45		108	108			73	73		



SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001854

BARRY'S BAY WPCP

MUNICIPALITY : BARRY'S BAY

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 1,413
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.241 1000 M3

DESIGN BOD5 : 220.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<---		FLOW DATA			---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><-- TOTAL PHOSPHORUS				--->	
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG		
JAN/86-DEC/86																		
JAN	10.218	.330	.384	1.000	151	3.9	97	1.5	203	11.5	94	1.9	8.8	.52	94	.085		
FEB	9.304	.332	.390	1.200	156	4.4	97	1.4	185	9.5	94	1.6	8.3	.40	95	.074		
MAR	11.449	.369	.590	1.200	164	5.0	96	1.8	229	11.0	95	2.4	9.0	.60	93	.096		
APR	11.501	.383	.457	1.200	131	2.7	97	1.4	206	8.0	96	2.2	9.5	.30	96	.106		
MAY	11.562	.372	.420	1.200	146	2.9	98	1.6	218	8.7	96	2.4	8.2	.37	95	.091		
JUN	11.337	.378	.455	1.200	116	2.7	97	1.2	236	8.6	96	2.5	8.1	.45	94	.087		
JUL	12.774	.412	.502	1.200	98	2.9	97	1.2	189	10.0	94	2.2	7.2	.48	93	.086		
AUG	12.576	.406	.468	1.200	150	1.5	99	1.8	291	7.3	97	3.5	8.2	.44	94	.098		
SEP	11.602	.378	.458	1.200	118	2.4	97	1.3	186	7.0	96	2.0	7.6	.37	95	.084		
OCT	11.371	.367	.499	1.200	116	3.6	96	1.2	138	7.2	94	1.4	8.2	.40	95	.089		
NOV	9.543	.318	.354	1.200	270	9.0	96	2.4	212	7.0	96	1.9	7.8	.37	95	.071		
DEC	9.410	.303	.377	1.000	180	6.0	96	1.6	186	11.0	94	1.6	7.7	.48	93	.068		
TOTAL		132.647						18.9				26.3				1.035		
AVERAGE			.362		149	3.9	97		206	8.9	95		8.2	.43	94			
MAXIMUM				.590														
NO. OF SAMPLES					21	22			51	52			69	62				

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001587

CHALK RIVER WPCP

MUNICIPALITY : CHALK RIVER

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : EXTENDED AERATION
CONVERTIBLE OPERATING MODEDESIGN POPULATION : 0
POPULATION SERVED : 986
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.363 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	1000 KG
JAN/86-DEC/86																
JAN	12.180	.393	.460		75	31.0	58	.5	178	28.4	84	1.8	4.6	2.09	54	.031
FEB	10.100	.361	.530		103	11.9	88	.9	181	28.0	84	1.5	7.2	2.65	63	.046
MAR	13.730	.443	.684		88	22.5	74	.8	140	15.3	89	1.7	3.5	1.30	62	.030
APR	14.100	.470	.624		82	16.5	79	.9	150	12.9	91	1.9	5.7	2.60	54	.044
MAY	14.600	.471	.590		85	9.1	89	1.1	198	6.6	96	2.7	5.8	2.13	63	.054
JUN	15.170	.510	.950		80	13.0	83	1.0	104	15.4	85	1.3	4.1	1.50	63	.039
JUL	12.870	.415	.460		35	10.0	71	.3	148	11.3	92	1.7	2.2	1.50	31	.009
AUG	11.805	.381	.500		106	17.0	83	1.0	163	16.2	90	1.7	6.0	2.14	64	.046
SEP	11.518	.384	.493		64	14.0	78	.5	114	21.0	81	1.0	4.5	.70	84	.044
OCT	11.525	.372	.410		75	7.5	90	.7	164	46.0	71	1.3	5.7	3.00	47	.031
NOV	10.653	.355	.410		134	20.6	84	1.2	183	38.6	78	1.5	6.3			
DEC	13.224	.427	.727		99	18.0	81	1.0	136	36.0	73	1.3	4.4	1.90	56	.033
TOTAL	151.475							10.4				19.9				.407
AVERAGE		.415			85	15.9	80		154	22.9	84		5.0	1.95	58	
MAXIMUM			.950													
NO. OF SAMPLES					44	44			63	63			43	40		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000980

DESERONTO WPCP

MUNICIPALITY : DESERONTO
REGION : 04 SOUTHEASTERNTREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 2,200
POPULATION SERVED : 1,732
PERCENT SERVED : 78.7

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.363 1000 M3

DESIGN BOD5 : 197.0 MG/L

DESIGN SUSP.SOLIDS : 224.0 MG/L

---- FLOW DATA

----><--BIOCHEMICAL OXYGEN DEMAND--><---- SUSPENDED SOLIDS ----><---- TOTAL PHOSPHORUS ---->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG
JAN/86-DEC/86																
JAN	46.675	1.506	2.800	.410	164	6.0	96	7.3	60	11.0	81	2.2	2.8	.31	88	.116
FEB	30.074	1.074	.895	1.796	171	7.0	95	4.9	104	11.1	89	2.7	4.9	.50	89	.132
MAR	59.527	1.920	3.240	.460	127	13.8	89	6.7	73	12.2	83	3.6	2.6	.38	85	.132
APR	43.106	1.437	2.250	.410	112	6.2	94	4.5	48	8.0	83	1.7	3.6	.40	88	.138
MAY	47.048	1.518	3.180	.460	128	8.5	93	5.6	53	8.5	83	2.0	2.6	.47	81	.100
JUN	43.560	1.452	2.095	.420	140	4.0	97	5.9	65	9.8	84	2.4	3.5	.55	84	.129
JUL	31.747	1.024	1.750	.380	134	15.0	88	3.7	71	8.8	87	1.9	4.3	.57	86	.118
AUG	40.409	1.347	1.950	.410	146	5.7	96	5.6	92	3.2	96	3.5	4.1	.46	88	.148
SEP	47.197	1.566	2.960	.450	123	4.8	96	5.5	94	8.5	90	4.0	3.5	.44	87	.144
OCT	49.169	1.586	2.327	.320	80	5.0	93	3.6	56	95.0	-	-	2.6	.40	84	.108
NOV	40.388	1.346	2.241	.380	151	3.0	98	5.9	85	7.4	91	3.1	4.0	.35	91	.147
DEC	55.128	1.778	3.141	.400	104	6.7	93	5.3	55	10.2	81	2.4	2.9	.63	78	.125
TOTAL	534.028							65.2				30.1				1.537
AVERAGE		1.463			131	7.1	94		71	16.1	86		3.4	.45	86	
MAXIMUM			3.240													
NO. OF SAMPLES					37	38			98	98			40	84		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000141

EGANVILLE WPCP

MUNICIPALITY : EGANVILLE

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : EXTENDED AERATION

DESIGN POPULATION : 0

POPULATION SERVED : 1,219

PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.763 1000 M3

DESIGN BOD5 : 182.0 MG/L

DESIGN SUSP.SOLIDS : 154.0 MG/L

<--- FLOW DATA					----<--BIOCHEMICAL OXYGEN DEMAND-->----				SUSPENDED SOLIDS ---->----				TOTAL PHOSPHORUS ---->----			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG
JAN/86-DEC/86																
JAN	12.898	.416	.620	1.700	165	4.0	97	2.0	233	13.0	94	2.8	3.9	.70	82	.041
FEB	11.828	.422	.473	1.000	134	6.5	95	1.5	145	13.0	91	1.5	3.8	.60	84	.038
MAR	16.681	.538	1.079	2.200	207	5.0	97	3.3	284	11.0	96	4.5	3.9	.90	76	.050
APR	17.753	.529	.702	1.600	81	3.4	95	1.3	91	13.0	85	1.3	4.9	.71	85	.074
MAY	17.456	.563	.764	1.400	113	3.2	97	1.9	211	6.0	97	3.5	4.8	.90	81	.068
JUN	15.389	.513	.593	1.200	76	1.8	97	1.1	127	4.0	96	1.8	5.2	.90	82	.066
JUL	13.863	.447	.536	2.200	115	1.5	98	1.5	141	5.0	96	1.8	5.3	1.00	81	.060
AUG	16.968	.547	.691	1.500	106	2.1	98	1.7	145	7.5	94	2.3	5.0	.90	82	.070
SEP	15.385	.513	.585	1.500	86	1.4	98	1.3	104	3.0	97	1.5	5.5	.60	89	.075
OCT	15.667	.505	.565	1.300	74	3.0	95	1.1	76	11.0	85	1.0	5.0	.70	86	.067
NOV	14.877	.496	.543	1.300	190	1.8	99	2.8	150	9.0	94	2.0	5.8	.50	91	.079
DEC	15.257	.492	.535	1.300	180	3.0	98	2.7	107	4.3	95	1.5	5.7	.50	91	.079
TOTAL	184.022							22.6				26.2				.767
AVERAGE		.498			127	3.0	97		151	8.3	93		4.9	.74	84	
MAXIMUM			1.079													
NO. OF SAMPLES					23	23			29	29			249	249		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002041

ODESSA WPCP

MUNICIPALITY : ERNESTOWN (ODESSA)

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 973
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.909 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---<--BIOCHEMICAL OXYGEN DEMAND-->--- SUSPENDED SOLIDS ---<--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG
JAN/86-DEC/86																
JAN	28.986	.930	1.827		60	4.0	93	1.6	57	28.0	50	.8	3.0	2.00	33	.029
FEB	24.450	.870	1.554		46	2.2	95	1.0	45	13.0	71	.7	2.4	1.50	37	.022
MAR	38.751	1.250	2.979		175	16.0	90	6.1	100	21.0	79	3.0	2.2	1.20	45	.039
APR	31.913	1.060	1.716		40	7.0	82	1.0	57	25.0	56	1.0	2.4	1.40	41	.032
MAY	29.469	.950	2.360		100	3.2	96	2.8	69	15.0	78	1.5	5.0	2.10	58	.085
JUN	27.619	.921	2.420		54	4.8	91	1.3	86	3.0	96	2.2	4.2	1.40	66	.077
JUL	14.484	.460	.513		56	3.0	94	.7	100	12.0	88	1.2	3.8	1.80	52	.029
AUG	23.597	.760	1.342		96	3.0	96	2.1	97	8.0	91	2.1	6.4	.50	92	.139
SEP	30.700	1.020	2.674		55	3.2	94	1.5	66	16.3	75	1.5	4.0	1.60	60	.074
OCT	40.342	1.300	2.507		34	1.8	94	1.2	30	8.2	72	.8	2.2	.90	60	.055
NOV	28.142	.930	2.024		72	1.5	97	1.9	34	12.5	63	.6	2.1	.52	75	.045
DEC	30.303	.970	2.283		24	4.0	83	.6	28	17.0	39	.3	2.6	.70	73	.058
TOTAL																
	348.756							22.5				16.3				.684
AVERAGE																
		.952			67	4.4	92		64	14.9	71		3.3	1.30	58	
MAXIMUM																
			2.979													
NO. OF SAMPLES																
					18	18			20	20			21	21		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001532

KILLALOE STN.WPCP

MUNICIPALITY : HAGARTY & RICHARDS(KILL)

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 645
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.590 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

FLOW DATA				BIOCHEMICAL OXYGEN DEMAND				SUSPENDED SOLIDS				TOTAL PHOSPHORUS				
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																
JAN	6.516	.210	.240	1.200	243	2.0	99	1.5	289	6.0	97	1.8	10.1	.96	90	.060
FEB	5.180	.185	.218	1.200	210	1.0	99	1.0	298	5.8	98	1.5	11.8	.94	92	.056
MAR	7.827	.252	.391	1.800	273	14.5	94	2.0	272	14.5	94	2.0	12.0	1.00	91	.086
APR	10.477	.349	.391	2.000	103	11.9	88	.9	178	9.0	94	1.7	8.3	.60	92	.081
MAY	9.924	.320	.500	2.000	142	2.5	98	1.3	200	5.6	97	1.9	7.5	.32	95	.071
JUN	8.278	.276	.500	2.100	67	1.5	97	.5	243	6.8	97	1.9	7.9	.68	91	.060
JUL	6.330	.204	.269	2.000	52	4.0	92	.3	174	7.5	95	1.0	6.3	.57	90	.036
AUG	8.222	.265	.332	2.000	111	1.1	99	.9	171	7.0	95	1.3	7.7	.38	95	.060
SEP	7.275	.243	.301	1.200	176	5.0	97	1.2	311	6.8	97	2.2	8.3	.61	92	.056
OCT	9.205	.297	.360	1.200	94	1.6	98	.8	153	5.5	96	1.3	6.5	.65	90	.054
NOV	7.745	.258	.279	1.800	260	5.0	98	1.9	176	8.0	95	1.3	8.3	.70	91	.059
DEC	6.907	.223	.249	1.800	220	3.0	98	1.4	171	6.6	96	1.1	8.6	.77	91	.054
TOTAL																
	93.886							14.3				19.4				.733
AVERAGE																
		.257			162	4.4	96		219	7.4	96		8.6	.68	92	
MAXIMUM																
			.500													
NO. OF SAMPLES																
					22	22			52	52			52	51		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001701

L'ORIGINAL WPCP

MUNICIPALITY : L'ORIGINAL

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : EXTENDED AERATION

DESIGN POPULATION : 2,100
 POPULATION SERVED : 1,561
 PERCENT SERVED : 74.3

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.954 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 250.0 MG/L

<---				FLOW DATA				----<<BIOCHEMICAL OXYGEN DEMAND>>----				SUSPENDED SOLIDS ----<---				TOTAL PHOSPHORUS ---->			
	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG			
DATE	1000 M3						%			%			%			%			
JAN/86-DEC/86																			
JAN	20.490	.661	1.106		70	28.0	60	.8	246	14.0	94	4.7	5.6	5.00	10	.012			
FEB	12.035	.420	.420		71	13.0	81	.6	148	13.0	91	1.6	7.5	6.70	10	.010			
MAR	21.533	.695	1.804		108	73.0	32	.7	77	37.0	52	.8	4.8	4.10	14	.015			
APR	21.367	.712	1.378		82	25.1	69	1.2	82	15.0	81	1.4	3.5	3.20	8	.006			
MAY	22.757	.734	2.337		112	42.5	62	1.5	54	29.0	46	.5	5.5	4.80	12	.016			
JUN	22.202	.740	1.179		157	17.0	89	3.1	119	10.0	91	2.4	4.1	3.30	19	.018			
JUL	20.003	.645	.956		99	51.0	48	.9	74	12.0	83	1.2	5.0	2.50	50	.050			
AUG	25.074	.809	1.291		48	10.0	79	.9	79	7.0	91	1.8	4.3	2.50	41	.045			
SEP	24.520	.817	1.554		69	24.0	65	1.1	72	12.0	83	1.4	4.2	3.40	19	.020			
OCT	25.707	.829	1.236		35	10.0	71	.6	76	8.0	89	1.7	3.5	3.40	2	.003			
NOV	24.120	.804	1.222		38	8.0	78	.7	69	9.0	86	1.4	5.0	2.60	48	.058			
DEC	18.667	.602	1.154		38	10.0	73	.5	100	8.0	92	1.7	5.7	3.20	43	.047			
TOTAL					13.1				21.1				.300						
258.475																			
AVERAGE																			
		.706					77	25.9	67			99	14.5	82					
MAXIMUM																			
		2.337																	
NO. OF SAMPLES																			
						52	50			59	62			51	53				

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001863 MARMORA WPCP

MUNICIPALITY : MARMORA
REGION : 04 SOUTHEASTERNTREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 1,450
POPULATION SERVED : 1,067
PERCENT SERVED : 73.5

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.868 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<--- FLOW DATA				----<--BIOCHEMICAL OXYGEN DEMAND-->----				SUSPENDED SOLIDS ---->----				TOTAL PHOSPHORUS ---->----				
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG
JAN/86-DEC/86																
JAN	21.754	.702	2.183										4.6	.53	88	.089
FEB	17.584	.628	.667		92	9.0	90	1.4	89	15.0	83	1.3	4.5	.48	89	.071
MAR	29.892	.964	2.325		104	11.5	88	2.7	103	26.0	74	2.3	3.9	.47	87	.103
APR	23.919	.797	1.250		134	6.8	94	3.0	153	16.0	89	3.2	4.6	.54	88	.097
MAY	19.785	.638	.881		80	4.8	94	1.4	136	11.0	91	2.4	4.6	.65	85	.078
JUN	17.119	.570	.779		24	4.0	83	.3	60	26.0	56	.5	4.3	.67	84	.062
JUL	13.919	.449	.536		195	2.0	98	2.6	234	13.0	94	3.0	5.3	.69	86	.064
AUG	19.405	.626	.902		93	2.1	97	1.7	105	5.5	94	1.9	4.6	.60	86	.078
SEP	20.411	.680	1.197		150	2.5	98	3.0	210	9.5	95	4.0	4.1	.48	88	.074
OCT	25.236	.814	1.329		80	3.0	96	1.9	74	6.0	91	1.7	4.1	.47	88	.092
NOV	14.022	.467	.645		148	11.0	92	1.9	144	11.0	92	1.8	4.3	.44	89	.054
DEC	17.465	.563	.879		102	2.4	97	1.7	99	6.0	93	1.6	4.1	.36	91	.065

TOTAL	240.511							22.1				24.2				.927

AVERAGE		.658			109	5.3	93		127	13.1	87		4.4	.53	88	

MAXIMUM			2.325													

NO. OF SAMPLES					14	14			14	14			127	128		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001729

MERRICKVILLE WPCP

MUNICIPALITY : MERRICKVILLE

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 1,375
POPULATION SERVED : 817
PERCENT SERVED : 59.4

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.500 1000 M3

DESIGN BOD5 : 250.0 MG/L

DESIGN SUSP.SOLIDS : 250.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS --->			
	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG			
DATE	1000 M3																		
JAN/86-DEC/86																			
JAN	13.887	.448	.763	1.760	87	46.6	46	.5	81	203.0	-	-	4.6	5.70	-	-			
FEB	12.970	.463	.507	1.040	88	46.0	47	.5	120	89.0	25	.4	5.6	2.60	53	.039			
MAR	20.274	.654	1.311	1.800	60	25.8	57	.6	72	32.5	54	.8	4.0	1.25	68	.056			
APR	20.164	.680	.889	2.400	57	23.0	59	.6	73	56.5	22	.3	4.3	1.75	59	.051			
MAY	11.052	.357	.899	1.480	68	24.9	63	.4	85	46.3	45	.4	5.2	1.43	72	.042			
JUN	12.352	.412	.486	1.120	61	26.0	57	.4	81	52.0	35	.3	3.8	1.83	51	.024			
JUL	11.638	.375	.482	1.960	56	11.3	79	.5	90	20.5	77	.8	4.1	1.10	73	.035			
AUG	18.497	.597	.879	1.600	47	30.3	35	.3	82	39.7	51	.7	3.0	1.80	40	.022			
SEP	14.007	.467	1.204	2.080	74	8.8	88	.9	97	25.8	73	.9	4.4	1.44	67	.041			
OCT	24.737	.800	1.073	1.600	39	5.0	87	.8	41	12.0	70	.7	3.6	.50	86	.077			
NOV	11.446	.382	.625	1.080	92	8.0	91	.9	48	9.3	80	.4	3.3	.37	88	.034			
DEC	15.518	.500	.774	1.280	56	3.4	93	.8	48	8.6	82	.6	3.7	.52	85	.049			
TOTAL								7.7	6.6								.470		
AVERAGE		.511				65	21.5	67	76			49.6	56	4.1		1.69	67		
MAXIMUM			1.311																
NO. OF SAMPLES					45	45			45	45			41	45					

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001505

CANA WPCP

MUNICIPALITY : PITTSBURG (CANA)

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : EXTENDED AERATION

DESIGN POPULATION : 0

POPULATION SERVED : 108

PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.095 1000 M3

DESIGN BOD5 : 190.0 MG/L

DESIGN SUSP.SOLIDS : 220.0 MG/L

<--- FLOW DATA

---><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME	AVG DAY	MAX DAY	PEAK RT	INFLUENT	EFFLUENT	REDUCTION	INFLUENT	EFFLUENT	REDUCTION	INFLUENT	EFFLUENT	REDUCTION			
	1000 M3	1000 M3 /DAY	1000 M3 /DAY	1000 M3 /DAY			%			1000 KG			%			
JAN/86-DEC/86																
JAN	6.077	.196	.584		81	9.7	88	.4	115	25.0	78	.5	3.2	2.10	34	.007
FEB	2.891	.103	.194		100	10.7	89	.2	218	15.7	92	.5	4.3	2.20	48	.006
MAR	9.680	.312	.690		48	14.5	69	.3	69	17.7	74	.5	3.1	1.40	54	.016
APR	6.116	.204	.367		200	19.2	90	1.1	290	17.6	93	1.6	5.9	1.80	69	.025
MAY	4.475	.144	.452		68	4.7	93	.2	37	16.6	55		2.1	1.86	11	.001
JUN	4.509	.150	.420		45	3.9	91	.1	68	8.0	88	.2	2.2	1.30	40	.004
JUL	1.745	.056	.066		73	4.3	94	.1	82	8.9	89	.1	3.8	1.50	60	.004
AUG	3.070	.099	.200		69	5.2	92	.1	78	8.4	89	.2	3.1	1.40	54	.005
SEP	9.557	.319	1.500		129	5.0	96	1.1	73	21.0	71	.5	2.7	1.40	48	.012
OCT	7.387	.238	.384		100	4.1	95	.7	58	13.1	77	.3	1.5	1.26	16	.002
NOV	3.804	.127	.190		38	8.3	78	.1	25	21.6	13		1.4	2.02	-	-
DEC	4.966	.160	.338		25	8.6	65		33	20.8	36		2.3	1.70	26	.003
TOTAL																
	64.277				4.9				4.9				.085			
AVERAGE																
		.176			81	8.1	87		95	16.2	71		2.9	1.66	42	
MAXIMUM																
			1.500													
NO. OF SAMPLES																
					64	64			66	66			64	63		



SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000971

CARLETON PLACE WPCP

MUNICIPALITY : CARLETON PLACE
REGION : 04 SOUTHEASTERNTREATMENT FACILITY : HIGH RATE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 7,600
POPULATION SERVED : 5,721
PERCENT SERVED : 75.2

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 5.455 1000 M3

DESIGN BOD5 : 108.0 MG/L

DESIGN SUSP.SOLIDS : 126.0 MG/L

<---				FLOW DATA				----><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				----><---				TOTAL PHOSPHORUS				----					
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	
JAN/86-DEC/86																													
JAN	196.243	6.330	6.754		50	33.0	34	3.3	70	51.5	26	3.6		3.0	2.57	14													.084
FEB	151.432	5.400	6.420	11.400	68	27.5	59	6.1	112	53.0	52	8.9		4.5	3.30	26													.182
MAR	184.200	5.940	6.790	11.400	80	49.0	38	5.7	148	78.5	46	12.8		3.9	3.20	17													.129
APR	170.900	5.690	6.640	10.200	43	21.0	51	3.7	67	45.0	32	3.7		2.4	1.60	33													.137
MAY	175.220	5.650	7.100	11.600	50	10.6	78	6.9	112	34.5	69	13.5		3.4	1.15	66													.394
JUN	177.018	5.900	6.800	10.800	50	31.5	37	3.2	120	103.0	14	3.0		4.1	3.41	16													.122
JUL	200.652	6.473	6.951	12.600	48	13.5	71	6.9	23	66.5	-	-		2.7	1.74	36													.205
AUG	149.324	4.217	6.900	9.600	46	5.0	89	6.1	42	11.5	72	4.6		2.6	.92	65													.257
SEP	166.200	5.540	7.024	7.600	42	9.0	78	5.4	62	23.5	62	6.3		3.1	1.20	61													.316
OCT	189.169	6.102	7.018	7.600	43	12.0	72	5.8	42	12.5	70	5.5		2.4	.55	77													.350
NOV	182.807	6.094	6.813	7.300	58	19.0	67	7.1	50	11.0	78	7.1		2.7	.85	68													.338
DEC	187.648	6.053	6.940	7.700	51	18.6	63	6.0	37	28.0	24	1.6		1.9	1.45	23													.084
TOTAL		2130.813						66.7					71.2																2.598
AVERAGE			5.782			52	20.8	61		73	43.2	50		3.0	1.82	42													
MAXIMUM				7.100																									
NO. OF SAMPLES						17	15			17	15			20	17														



WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000196

AMHERSTVIEW LAGOON

MUNICIPALITY : ERNESTOWN (AMHERSTVIEW)

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON CONTINUOUS

DESIGN POPULATION : 0

POPULATION SERVED : 6,900

PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 2.391 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				---><-BIOCHEMICAL OXYGEN DEMAND-><---				SUSPENDED SOLIDS				---><----- TOTAL PHOSPHORUS ---->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	96.480	3.110	7.150	96.480															
FEB	62.540	2.230	3.310	62.540															
MAR	112.380	3.620	8.390	112.380															
APR	81.930	2.730	3.680	81.930	84	17.0		111	14.0					4.8	3.20				
MAY	75.410	2.430	3.760	75.410	132	41.0		106	50.0					6.8	2.60				
JUN	76.760	2.550	5.500	76.760	88	15.0								7.2	3.40				
JUL	63.200	2.040	2.390	63.200	102	21.0		136	90.0					6.4	2.30				
AUG	73.600	2.370	3.460	73.600	110	17.0		128	80.0					7.6	2.50				
SEP	101.650	3.380	7.150	101.650	100	26.3		100	88.7					6.9	3.20				
OCT	106.120	3.420	4.920	106.120	67	20.5		82	43.0					4.6	3.40				
NOV	96.570	3.210	6.040	96.570	107	25.0		95	51.0					4.4	3.10				
DEC	121.080	3.900	6.210	121.080	70	19.0		72	50.0					6.0	3.80				
TOTAL				1067.720															
AVERAGE																			
		2.916			95	22.4	76	103	58.3	43				6.0	3.05	47			
MAXIMUM																			
			8.390																
NO. OF SAMPLES																			
					15	15		16	16					17	17				

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001836

ALFRED LAGOON

MUNICIPALITY : ALFRED

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 1,550

POPULATION SERVED : 1,055

PERCENT SERVED : 68.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.713 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

---- FLOW DATA ----				----<<BIOCHEMICAL OXYGEN DEMAND>>----				SUSPENDED SOLIDS ----<----			TOTAL PHOSPHORUS ---->		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	13.413	.433	.630		100			142			7.0		
FEB	11.572	.413	.559		136			175			9.2		
MAR	26.660	.860	.860		203			233			8.4		
APR	12.926	.431	.543		144			240			7.2		
MAY	15.662	.505	.715		121			611			7.2		
JUN	14.068	.469	.577		250			914			11.0		
JUL	14.922	.481	.557		158			245			10.2		
AUG	16.508	.533	.765		70			106			7.6		
SEP	14.606	.487	.905		75			120			4.9		
OCT	15.030	.485	.550		140			177			7.6		
NOV	14.750	.492	.585		67			584			8.2		
DEC	12.650	.408	.568										
TOTAL													
	182.767												
AVERAGE													
		.500			133		-	322		-	8.0		-
MAXIMUM													
			.905										
NO. OF SAMPLES													
					17			17			17		

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002201

CASSELMAN LAGOON

MUNICIPALITY : CASSELMAN

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 0

POPULATION SERVED : 1,366

PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.363 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME	AVG DAY	MAX DAY	T.VOL.TO	REDUCTION			REDUCTION			REDUCTION		
	1000 M3	1000 M3 /DAY	1000 M3 /DAY	W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	16.420	.529	1.060		60			30			4.9		
FEB	14.980	.535	.610		90			33			5.5		
MAR	23.330	.753	1.420		74			31			5.1		
APR	26.450	.882	1.040	83.300	46	8.6		57	71.0		3.0	.80	
MAY	23.730	.766	1.030	15.000	53	1.6		53	9.0		4.1	.70	
JUN	23.100	.770	.900		28			35			3.8		
JUL	24.470	.789	.890		40			24			3.5		
AUG	23.660	.763	.870		30			23			3.2		
SEP	25.860	.862	1.210		67			143			5.1		
OCT	30.420	.981	1.100	34.800	50	2.0		43	3.0		3.0	.90	
NOV	22.030	.734	1.000	106.500	69			33	9.0		4.0	.55	
DEC	22.920	.739	1.140		50			40			3.0		
-TOTAL													
	277.370			239.600									
AVERAGE													
		.759			54	4.0	91	45	23.0	82	4.0	.73	78
MAXIMUM													
			1.420										
-NO. OF SAMPLES													
					21	4		21	6		21	6	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000114

CHESTERTVILLE LAGOON

MUNICIPALITY : CHESTERTVILLE

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 0
 POPULATION SERVED : 1,460
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.227 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS --->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	20.903	.674	1.121		88			69						5.4					
FEB	15.612	.558	.741		50			51						41.0					
MAR	30.949	.998	2.545		56			70						4.0					
APR	31.622	1.054	1.732			10.0			12.5					3.00					
MAY	31.622	1.054	1.732																
JUN	24.410	.813	1.670		32			54						2.2					
JUL	28.099	.906	1.440		20			19						1.6					
AUG	26.809	.924	1.192		40			53						3.6					
SEP	23.962	.826	.896		42			59						3.8					
OCT	37.305	1.203	1.632		26			64						2.2					
NOV	25.370	.906	1.435			6.8		53	16.0					2.0	1.00				
DEC	33.221	1.071	1.920			6.0			40.0					1.60					
TOTAL																			
	329.884																		
AVERAGE																			
		.916			44	7.6	-	54	22.8	69				7.3	1.86	50			
MAXIMUM																			
			2.545																
NO. OF SAMPLES																			
					14	4		9	4					9	4				

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001925

LANCASTER LAGOON

MUNICIPALITY : LANCASTER

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 0
 POPULATION SERVED : 600
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.590 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	13.092	.436											
FEB	9.734	.348			155			198			7.5		
MAR	18.183	.587			134			137			5.8		
APR	16.676	.556	.710	16.676	96	15.5		127	16.5		5.0	4.10	
MAY	13.185	.440			137			266			7.1		
JUN	12.253	.408			121			158			5.6		
JUL	13.087	.422			129			161			5.4		
AUG	11.586	.373			64			163			5.1		
SEP	14.331	.447	.911		76			99			3.0		
OCT	17.266	.576			69			86			6.5		
NOV	17.888	.596			63			141			6.6		
DEC	15.568	.502			81			104			7.0		
--TOTAL													
	172.849			16.676									
AVERAGE													
		.474			102	15.5	83	149	16.5	87	5.8	4.10	18
MAXIMUM													
			.911										
--NO. OF SAMPLES													
					37			42	4		40	4	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001051

MADOC LAGOON

MUNICIPALITY : MADOC

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 850
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.363 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	15.029	.484																	
FEB	12.279	.438			128			104						7.4					
MAR	29.794	.961			130	34.0		167	11.0					6.5	2.00				
APR	21.863	.728		69.984	88	34.0		95	13.4					3.9	1.07				
MAY	15.512	.500		69.984		7.3			7.8						.31				
JUN	15.555	.518			89			221						7.7					
JUL	16.307	.526			195			160						12.0					
AUG	23.352	.753			52			47						3.3					
SEP	18.776	.626			130			191						8.2					
OCT	20.679	.667		34.000	90	4.4		102	11.0					6.2	.20				
NOV	11.719	.391		8.636	138			140	20.0					7.4	.60				
DEC	16.139	.521			110			154						4.6					
TOTAL																			
	217.004			182.604															
AVERAGE																			
		.593			115	19.9	76	138	12.6	88				6.7	.83	82			
MAXIMUM																			
NO. OF SAMPLES																			
					15	27		15	33					15	33				

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001621

PLANTAGENET LAGOON

MUNICIPALITY : PLANTAGENET

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 925

POPULATION SERVED : 876

PERCENT SERVED : 94.7

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.590 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

FLOW DATA				----<<BIOCHEMICAL OXYGEN DEMAND>>----				SUSPENDED SOLIDS			----><---- TOTAL PHOSPHORUS				---->		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	
JAN/86-DEC/86																	
JAN	16.923	.546	.880		100			473				8.2					
FEB	12.020	.429	.649														
MAR	21.026	.678	2.250		101			120				5.7					
APR	21.704	.723	1.053		162	26.4		256	69.8			7.5	1.16				
MAY	20.546	.663	1.420		419			954				15.2					
JUN	18.038	.601	.783		75			251				5.0					
JUL	18.551	.598	.958		80			485				8.6					
AUG	20.329	.656	.960		225			947				16.8					
SEP	22.966	.765	1.500		180			387				10.3					
OCT	21.770	.702	1.010		58	17.7		79	4.8			3.0	.35				
NOV	18.770	.626	1.085			31.0			4.7				.13				
DEC	19.750	.637	1.063														
TOTAL																	
	232.393																
AVERAGE																	
		.635			155	25.0	76	439	26.4	83		8.9	.54	86			
MAXIMUM																	
			2.250														
NO. OF SAMPLES																	
					16	11		16	13			16	12				

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 120000952

TWEED LAGOON

MUNICIPALITY : TWEED

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 1,607
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.209 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS			---><--- TOTAL PHOSPHORUS		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	36.900	1.600	2.400		75			118			5.0		
FEB	50.700	1.800	1.500		75			98			4.0		
MAR	59.700	1.900	3.500										
APR	82.800	2.800	2.900	308.100	38	10.0		81	6.0		4.4	.80	
MAY	50.400	1.600	2.500		84			120			4.6		
JUN	47.800	1.600	2.500		23			50			2.4		
JUL	42.800	1.200	1.500		45			80			3.8		
AUG	45.400	1.600	2.300		82			82			4.4		
SEP	55.900	1.860	2.000	52.200	83	4.0		108	4.0		3.4	.70	
OCT	76.600	2.470	2.970	196.910	79	4.0		98	4.0		2.5	.50	
NOV	50.100	1.670	1.830	138.710	88	6.0		78	4.0		3.1	.50	
DEC	62.000	2.000	2.100		159			149			4.3		
TOTAL													
	661.100			695.920									
AVERAGE													
		1.842			75	6.0	89	96	4.5	94	3.8	.62	81
MAXIMUM													
			3.500										
NO. OF SAMPLES													
					21	12		21	12		21	12	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001658

VANKLEEK HILL LAGOON

MUNICIPALITY : VANKLEEK HILL

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 1,830

POPULATION SERVED : 1,711

PERCENT SERVED : 93.4

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.909 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				---><-BIOCHEMICAL OXYGEN DEMAND-><---				SUSPENDED SOLIDS				---><----- TOTAL PHOSPHORUS				---			
DATE	TOTAL	AVG DAY	MAX DAY	T.VOL.TO	REDUCTION			INFLUENT	EFFLUENT	%	REDUCTION	INFLUENT	EFFLUENT	%	REDUCTION	INFLUENT	EFFLUENT	%	REDUCTION	INFLUENT	EFFLUENT	%	REDUCTION
	VOLUME	1000 M3	1000 M3	W/COURSE	MG/L	MG/L	%																
1000 M3	/DAY	/DAY	1000 M3	1000 M3	MG/L	MG/L	%	MG/L	MG/L	%	MG/L	MG/L	%	MG/L	MG/L	%	MG/L	MG/L	%	MG/L	MG/L	%	MG/L
JAN/86-DEC/86																							
JAN	25.374	.818										94					5.6						
FEB	20.429	.730				76						147					4.4						
MAR	35.541	1.146				91						241					6.3						
APR	32.126	1.071				58	17.0					47	46.0				2.6	3.20					
MAY	26.903	.961				87						74					3.2						
JUN	25.883	.863				99						112					4.0						
JUL	22.708	.732				139						150					3.7						
AUG	22.083	.712				105						132					4.9						
SEP	29.551	.985				51						31					2.2						
OCT	27.629	.953				60						92					4.5						
NOV	29.480	.983				54						188					5.7						
DEC	28.540	.984				56						93					4.1						
TOTAL	326.247																						
AVERAGE		.912				79	17.0	70				116	46.0	3			4.2	3.20	-				
MAXIMUM																							
NO. OF SAMPLES						34	3					35	3				37	2					

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001550

WESTPORT LAGOON

MUNICIPALITY : WESTPORT

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 614
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.327 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

---- FLOW DATA ----				----><--BIOCHEMICAL OXYGEN DEMAND--><----				SUSPENDED SOLIDS ----><----			TOTAL PHOSPHORUS ---->		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	9.025	.291	.379		198			195			6.0		
FEB	7.114	.264	.325		94			145			5.0		
MAR	10.676	.334	.500		107			109			4.9		
APR	10.252	.342	.386	48.045	93	12.0		83	22.7		5.1	.57	
MAY	11.058	.357	.478		57			70			4.5		
JUN	11.607	.400	.522		75			113			5.0		
JUL	11.478	.370	.447		73			90			4.4		
AUG	12.598	.406	.429		74			114			5.0		
SEP	10.393	.346	.412		148	15.0		167	26.0		6.3	1.00	
OCT	11.407	.368	.466	14.533	105			86	9.0		3.4	.30	
NOV	9.541	.318	.406	35.363	110			110	18.0		5.8	.44	
DEC	10.178	.328	.429		64			79			4.2		
TOTAL	125.327			97.941									
AVERAGE		.344			99	13.5	88	113	18.9	82	4.9	.57	89
MAXIMUM			.522										
NO. OF SAMPLES					19	8		21	11		21	11	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001202

WINCHESTER LAGOON

MUNICIPALITY : WINCHESTER

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 0

POPULATION SERVED : 2,080

PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.559 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME	AVG DAY	MAX DAY	T.VOL.TO	REDUCTION			REDUCTION			REDUCTION		
	1000 M3	1000 M3 /DAY	1000 M3 /DAY	W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	29.890	.964	1.542		126			146			13.0		
FEB	25.015	.893	.955		160			155			9.6		
MAR	37.411	1.206	1.808		128			218			8.6		
APR	42.559	1.206	1.885			24.7			65.3			6.97	
MAY	38.051	1.268	1.802										
JUN	36.007	1.200	2.056		165			250			8.4		
JUL	36.410	1.174	1.695		100			116			4.8		
AUG	44.957	1.550	1.858	44.576	54	14.0		61	38.0		6.0		
SEP	37.794	1.303	1.318		75			98			11.0		
OCT	51.391	1.658	1.881		58			43			5.0		
NOV	37.529	1.340	1.788			29.0		178	11.0		4.6	5.16	
DEC	46.171	1.489	1.882			19.0			9.0			5.20	
TOTAL	463.185			44.576									
AVERAGE		1.271			108	21.6	74	140	30.8	65	7.8	5.77	-
MAXIMUM			2.056										
NO. OF SAMPLES					8	6		9	6		9	5	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001514

RUSSELL LAGOON

MUNICIPALITY : RUSSELL

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON ANNUAL

DESIGN POPULATION : 0

POPULATION SERVED : 1,400

PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.000 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS --->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	9.580	.310	.410		93			62						7.1					
FEB	8.750	.313	.340		120			84						8.1					
MAR	10.800	.348	.510		430			62						8.8					
APR	10.360	.345	.390	29.200	101	6.4		105	54.0		5.9	1.23							
MAY	10.620	.343	.510	12.600	76	2.0		54	20.0		7.1	1.32							
JUN	8.050	.268	.300		105			42			10.8								
JUL	7.550	.244	.290		114			97			7.6								
AUG	7.630	.246	.260		147			150			9.3								
SEP	8.820	.294	.460		112			176			9.4								
OCT	10.290	.332	.380		100			104			6.8								
NOV	8.800	.293	.330		240			163			9.6								
DEC	10.350	.334	.390		100			58			5.4								
***TOTAL	111.600			41.800															
AVERAGE		.306			144	4.2	95	96	37.0	55	7.9	1.27	80						
MAXIMUM			.510																
NO. OF SAMPLES					18	3		18	3		18	3							

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002210

ST.ISIDORE LAGOON

MUNICIPALITY : ST. ISIDORE DE PRESCOTT
REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON ANNUAL

DESIGN POPULATION : 0
POPULATION SERVED : 699
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.654 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
	JAN/86-DEC/86												
JAN	7.120	.229	.320		203			233				11.0	
FEB	5.710	.204	.220		270			254				11.5	
MAR	8.380	.270	.380		338			1827				11.5	
APR	8.110	.270	.330	72.100	215	6.7		322	16.8		8.2	3.70	
MAY	8.240	.266	.380	22.500	205	2.9		253	100.0		12.2	4.00	
JUN	7.270	.240	.270		242			180				9.5	
JUL	7.260	.234	.310		250			179				11.0	
AUG	7.890	.255	.310		200			150				6.6	
SEP	9.660	.322	.400		114			90				8.1	
OCT	8.700	.281	.380		183			90				11.1	
NOV	7.560	.252	.310		155			91				9.2	
DEC	7.820	.252	.370		135			71				8.8	
TOTAL													
	93.720			94.600									
AVERAGE													
		.256			209	4.8	97	311	58.4	77	9.8	3.85	61
MAXIMUM													
			.400										
NO. OF SAMPLES													
					21	6		21	6		21	6	



WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001934

LANSDOWNE LAGOON

MUNICIPALITY : LEEDS & LANSDOWNE
REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : LAGOON AND SPRAY

DESIGN POPULATION : 0
POPULATION SERVED : 550
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.336 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			INFLUENT MG/L	EFFLUENT MG/L	%		INFLUENT MG/L	EFFLUENT MG/L	%		INFLUENT MG/L	EFFLUENT MG/L	%	
					INFLUENT	EFFLUENT	REDUCTION												
JAN/86-DEC/86																			
JAN	4.495	.145	.336		83							70				5.6			
FEB	3.500	.125	.188		118							83				7.3			
MAR	5.502	.177	.255		95							68				6.1			
APR	4.973	.166	.207		65							45				4.7			
MAY	4.239	.137	.172		70							50				5.8			
JUN	4.321	.144	.256		103							82				6.3			
JUL	3.740	.121	.241	1.406	113							107				6.9			
AUG	4.494	.145	.201	4.590	100	1.0						89	12.0			6.3	1.30		
SEP	5.015	.167	.287	.207	76	1.0						67	9.0			5.9	.70		
OCT	5.640	.186	.238	5.277	85							67				4.9			
NOV	5.871	.194	.253		118							108				6.7			
DEC	5.984	.193	.285		83							110				6.2			
TOTAL	57.774			11.480															
AVERAGE		.158			92	1.0	98					78	10.5	86		6.0	1.00	83	
MAXIMUM			.336																
NO. OF SAMPLES					25	2						26	2			26	2		

AERATED CELL PLUS LAGOON

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000846

ALEXANDRIA LAGOON

MUNICIPALITY : ALEXANDRIA

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : AERATED CELL PLUS LAGOON
 CONTINUOUS DISCHARGE
 PHOSPHORUS REMOVAL-CONTINUOUS

DESIGN POPULATION : 0
 POPULATION SERVED : 3,616
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 6.819 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	157.099	5.237		157.099	77			62			3.0		
FEB	127.659	4.559		127.659	57	15.0		86	23.0		3.5	1.20	
MAR	217.518	7.017		217.518	136	23.0		191	28.0		4.8	1.40	
APR	184.485	6.150	9.512	184.485	103	22.0		73	18.0		3.0	.80	
MAY	145.529	5.018		145.529	151	8.5		60	10.0		3.4	.90	
JUN	147.974	4.932		147.974	160	12.0		76	19.0		3.1	.70	
JUL	147.982	4.774		147.982	90	65.0		58	42.0		2.1	1.20	
AUG	155.008	5.000	6.740	155.008	85	38.0		75	25.0		3.0	1.40	
SEP	199.519	6.651	10.559	199.519	96	27.0		118	14.0		2.9	1.00	
OCT	197.400	6.368		197.400	64	15.0		65	8.0		3.4	1.10	
NOV	182.716	6.091		182.716	68	6.0		76	15.0		3.4	.80	
DEC	184.050	5.937		184.050	31	18.5		44	18.0		1.8	1.10	
TOTAL		2046.939		2046.939									
AVERAGE		5.645			93	22.7	71	82	20.0	72	3.1	1.05	64
MAXIMUM			10.559										
NO. OF SAMPLES					62	87		71	94		79	89	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000873

ALMONTE LAGOON

MUNICIPALITY : ALMONTE

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : AERATED CELL PLUS LAGOON
SEASONAL DISCHARGE
PHOSPHORUS REMOVAL - BATCH

DESIGN POPULATION : 4,835
POPULATION SERVED : 4,025
PERCENT SERVED : 83.2

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 5.455 1000 M3

DESIGN BOD5 : 159.0 MG/L

DESIGN SUSP.SOLIDS : 181.0 MG/L

<---				FLOW DATA				----><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS ----><---				TOTAL PHOSPHORUS ---->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	61.106	1.971	5.065		225			334						6.7					
FEB	45.961	1.641	1.786		117			185						7.5					
MAR	102.440	2.304	7.578		125			485						8.6					
APR	100.000	3.300	3.300		202	9.2		332	24.0		14.4	.83							
MAY	118.780	3.830	8.985		95	24.0		223	37.6		5.3	.59							
JUN	58.597	1.953	3.162		65			113			5.5								
JUL	56.790	1.832	3.088		209			371			10.1								
AUG	56.110	1.810	2.502		38			50			2.2								
SEP	72.790	2.430	4.220		104	8.7		168	5.7		7.3	2.17							
OCT	79.478	2.564	6.445		56	14.1		102	8.3		19.8	.95							
NOV	58.065	1.873	2.331		395			556	7.0		7.5	.70							
DEC	63.691	2.055			133			209			6.8								
TOTAL																			
	873.808																		
AVERAGE																			
		2.297			147	14.0	84	260	16.5	92	8.4	1.05	87						
MAXIMUM																			
			8.985																
NO. OF SAMPLES																			
					17	7		17	8		17	8							

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001159

ROCKLAND LAGOON

MUNICIPALITY : ROCKLAND

REGION : 04 SOUTHEASTERN

TREATMENT FACILITY : AERATED CELL PLUS LAGOON

DESIGN POPULATION : 6,130

POPULATION SERVED : 5,000

PERCENT SERVED : 81.5

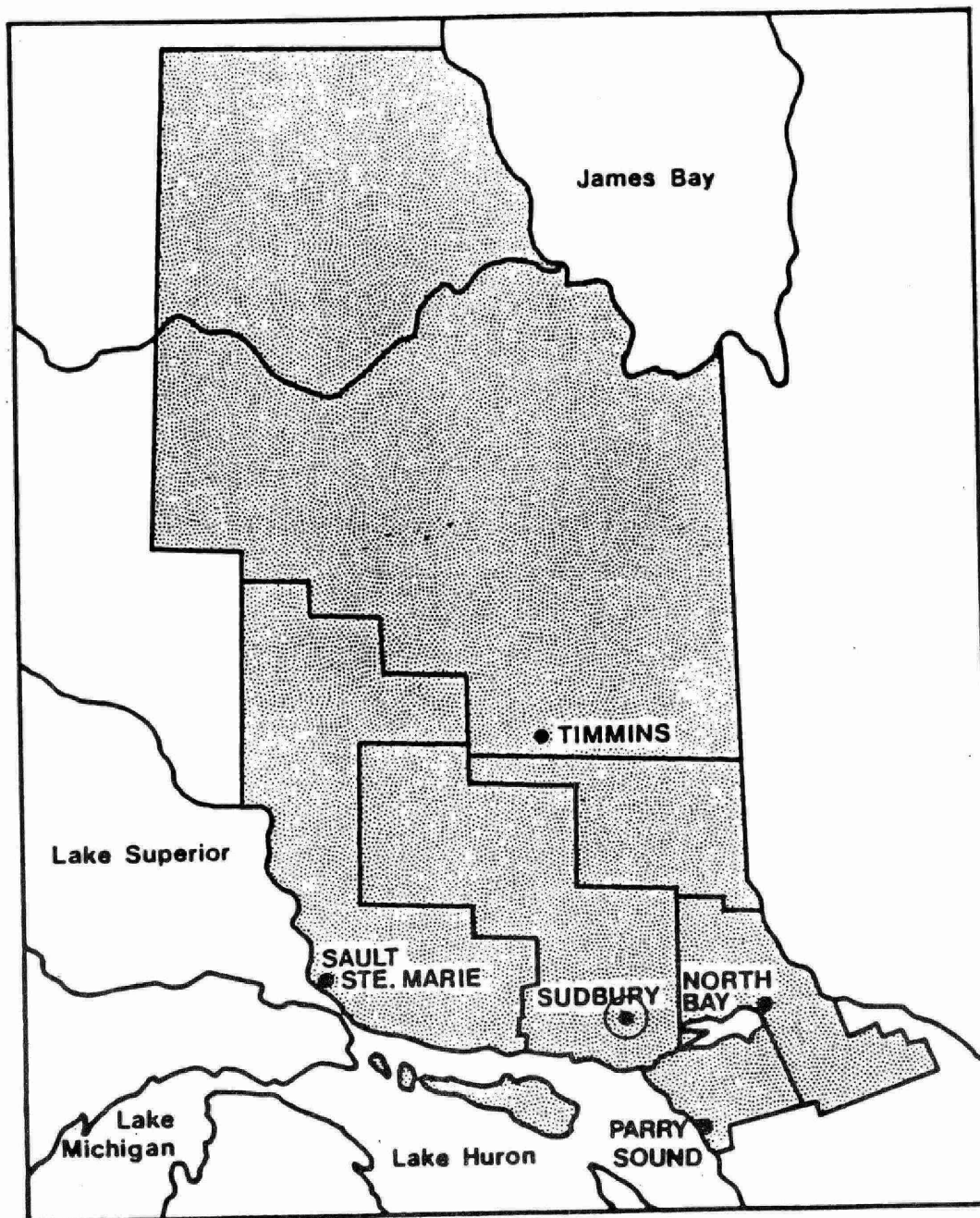
OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 3.341 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS			---><--- TOTAL PHOSPHORUS --->		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	50.991	1.645	2.225		100	18.2		277	15.2		5.9	3.90	
FEB	42.509	1.518	1.630		153	37.5		477	22.5		9.4	4.60	
MAR	72.535	2.340	3.838		199	20.8		528	19.8		8.9	4.50	
APR	88.320	2.940	3.840		179	23.6		428	12.8		6.0	2.10	
MAY	79.801	2.574	6.313		145	53.0		439	14.0		5.9	2.70	
JUN	53.179	1.773	2.520		188	17.0		544	49.0		7.2	2.37	
JUL	55.916	1.804	2.506		129	37.6		577	22.7		7.7	2.70	
AUG	66.545	2.147	2.388		131	46.5		275	19.5		6.9	2.40	
SEP	85.488	2.849	5.726		228	19.2		429	14.4		9.0	2.80	
OCT	67.952	2.192	2.792		89	18.8		424	7.5		6.0	1.60	
NOV	61.000	2.033	2.400		72	44.3		361	6.0		6.3	2.40	
DEC	65.690	2.119	2.769		109	21.0		235	11.5		5.7	1.90	
TOTAL													
	789.926												
AVERAGE													
		2.161			143	29.7	76	416	17.9	95	7.0	2.83	60
MAXIMUM													
			6.313										
NO. OF SAMPLES													
					46	46		47	46		46	45	



NORTHEASTERN REGION (5)

REGIONAL OFFICE

SUDBURY

199 Larch St.

705-675-4501

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000212

ESPANOLA WPCP

MUNICIPALITY : ESPANOLA

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : PRIMARY

DESIGN POPULATION : 0
 POPULATION SERVED : 5,200
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 3.000 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				---	
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	
JAN/86-DEC/86																	
JAN	101.604	3.277	3.887		89	73.0	17	1.6	112	43.1	61	7.0	5.8	4.32	25	.150	
FEB	92.910	3.318	3.823		138	64.0	53	6.8	93	34.5	62	5.4	4.9	3.87	21	.096	
MAR	115.209	3.716	5.021		97	31.5	67	7.5	67	25.8	61	4.7	4.0	2.92	27	.124	
APR	102.297	3.410	4.023		139	56.5	59	8.4	76	33.2	56	4.3	5.2	4.67	10	.054	
MAY	101.409	3.271	3.928		67	46.0	31	2.1	73	37.7	48	3.6	4.8	4.32	11	.056	
JUN	104.020	3.467	3.970		102	53.4	47	5.0	64	37.7	41	2.7	5.0	3.94	21	.110	
JUL	102.573	3.309	3.965		89	39.0	56	5.1	62	29.4	52	3.3	2.9	1.89	34	.104	
AUG	102.851	3.317	3.801		98	44.7	54	5.4	84	84.3	-	-	5.0	3.57	28	.147	
SEP	97.005	3.233	3.682		75	44.5	40	2.9	49	19.3	60	2.8	5.1	3.83	24	.123	
OCT	97.779	3.154	3.659		145	49.6	65	9.3	177	39.7	77	13.4	5.4	4.47	17	.091	
NOV	94.546	3.151	3.823		90	62.0	31	2.6	83	43.2	47	3.7	4.6	4.15	9	.043	
DEC	93.237	3.008	3.381		77	54.6	29	2.0	90	27.7	69	5.8	5.2	3.90	25	.121	
TOTAL					59.3				57.1				1.219				
AVERAGE																	
					100	51.5	46					85	37.9	58	4.8	3.82	21
MAXIMUM																	
					5.021												
NO. OF SAMPLES																	
					24	24					22	23					

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000640

SAULT STE.MARIE WPCP

MUNICIPALITY : SAULT STE.MARIE
REGION : 05 NORTHEASTERN

TREATMENT FACILITY : PRIMARY

DESIGN POPULATION : 0
POPULATION SERVED : 75,000
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 54.552 1000 M3

DESIGN BOD5 : 375.0 MG/L

DESIGN SUSP.SOLIDS : 300.0 MG/L

FLOW DATA				BIOCHEMICAL OXYGEN DEMAND				SUSPENDED SOLIDS				TOTAL PHOSPHORUS				
	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																
JAN	1166.400	37.600	41.000	54.400	90	90.0		148	55.1	62	108.3	5.0	4.80	4		.233
FEB	996.800	35.600	38.800	58.900	135	90.0	33	44.8	161	52.2	67	108.4	5.0	4.63	7	.369
MAR	1665.700	53.700	125.000	131.000	97	66.0	31	51.6	115	50.2	56	107.9	3.5	3.96	-	-
APR	1638.100	54.600	131.000	167.000	133	61.8	53	116.6	96	39.8	58	92.0	4.0	2.50	37	2.457
MAY	1101.380	35.527	42.600	63.500	129	57.4	55	78.8	149	29.8	80	131.2	6.5	3.02	53	3.833
JUN	1207.900	44.649	116.200	174.600	174	65.3	62	131.2	208	47.0	77	194.4	4.9	3.30	32	1.933
JUL	1626.100	52.450	125.000		156	52.9	66	167.6	148	27.5	81	195.9	5.1	3.06	40	3.317
AUG	1257.900	40.577	74.900	120.000	152	76.0	50	95.6	155	42.5	72	141.5	4.9	3.35	31	1.950
SEP	1372.700	45.756	86.700	120.000	182	58.0	68	170.2	170	32.0	81	189.4	5.3	2.70	49	3.569
OCT	1251.400	40.367	85.600	100.000	150	68.5	54	101.9	148	44.8	69	129.1	4.1	2.73	33	1.714
NOV	996.900	33.230	62.900	90.000	202	66.2	67	135.3	146	39.3	73	106.3	4.7	3.02	35	1.675
DEC	837.200	27.006	34.100	45.000	202	86.9	56	96.3	159	38.0	76	101.3	6.2	3.86	37	1.959
TOTAL					1190.4				1606.2				23.009			
AVERAGE																
					41.755				150				4.9			
MAXIMUM					131.000											
NO. OF SAMPLES					44				62				42			

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000533

NORTH BAY WPCP

MUNICIPALITY : NORTH BAY

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 48,000
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 36.368 1000 M3

DESIGN BOD5 : 150.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<--- FLOW DATA

----><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ----><--- TOTAL PHOSPHORUS ---->

DATE	TOTAL	AVG DAY	MAX DAY	PEAK RT	INFLUENT	EFFLUENT	REDUCTION		INFLUENT	EFFLUENT	REDUCTION		INFLUENT	EFFLUENT	REDUCTION	
	VOLUME 1000 M3	1000 M3 /DAY	1000 M3 /DAY	1000 M3 /DAY			%	1000 KG			%	1000 KG			%	1000 KG
JAN/86-DEC/86																
JAN	864.240	27.880	33.960		220	37.8	82	157.4	320	63.7	80	221.5	11.3	1.70	84	8.297
FEB	758.240	27.050	29.090		186	34.6	81	114.7	292	60.6	79	175.4	9.8	1.38	85	6.384
MAR	1098.390	35.430	71.100	90.010	177	17.5	90	175.1	295	23.8	91	297.8	12.8	.70	94	13.291
APR	1237.950	41.270	75.420	78.190	245	6.3	97	295.4	475	11.3	97	574.0	10.3	.23	97	12.466
MAY	1169.190	37.720	45.600	68.190	167	8.3	95	185.5	372	9.8	97	423.4	7.8	.46	94	8.582
JUN	1074.510	35.820	45.460	54.550	126	3.5	97	131.6	633	12.7	97	666.5	10.8	.65	93	10.906
JUL	1174.700	37.890	95.470	100.000	438	3.9	99	509.9	406	8.9	97	466.4	15.5	1.10	92	16.916
AUG	1047.060	33.780	42.230	54.550	277	12.0	95	277.4	388	12.5	96	393.1	9.6	1.02	89	8.984
SEP	909.320	30.310	35.140	50.010	477	15.5	96	419.6	492	13.9	97	434.7	16.6	1.34	91	13.876
OCT	1079.050	34.810	40.640	53.640	491	17.9	96	510.4	427	11.5	97	448.3	10.2	.87	91	10.068
NOV	869.560	28.990	36.820	60.000	513	13.7	97	434.1	572	10.1	98	488.6	13.5	1.09	91	10.791
DEC	838.080	27.030	31.970	50.000	573	18.4	96	464.7	490	7.1	98	404.7	19.6	1.20	93	15.421
TOTAL					3676.6				4994.9				135.982			
AVERAGE		33.165					324	15.7	93	430	20.4	94	12.3	.97	91	
MAXIMUM			95.470													
NO. OF SAMPLES					37	37	191				189	38	38			

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000560

PARRY SOUND WPCP

MUNICIPALITY : PARRY SOUND

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 5,500
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 6.591 1000 M3

DESIGN BOD5 : 250.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				---	
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG					
JAN/86-DEC/86																					
JAN	80.490	2.596	3.990		125	7.6	93	9.4	86	6.9	91	6.3	3.0	.49	83	.202					
FEB	49.640	1.771	2.190		132	13.9	89	5.8	89	5.4	93	4.1	3.3	.69	79	.130					
MAR	306.390	9.880	18.470		110	3.8	96	32.5	76	5.4	92	21.6	3.1	.90	70	.674					
APR	227.510	7.580	11.780		88	12.5	85	17.1	66	10.5	84	12.6	3.8	.64	83	.719					
MAY	180.090	5.809	9.280		113	6.0	94	19.2	100	7.9	92	16.5	3.8	.81	78	.538					
JUN	148.940	4.960	6.700		151	6.4	95	21.5	131	9.0	93	18.1	7.2	1.28	82	.882					
JUL	133.430	4.300	6.770		131	2.3	98	17.1	138	6.4	95	17.5	5.1	.78	84	.576					
AUG	137.170	4.420	6.230		205	4.3	97	27.5	121	6.9	94	15.7	6.1	1.10	81	.686					
SEP	145.820	4.860	8.640		302	5.7	98	43.2	126	8.8	93	17.2	6.2	.97	84	.766					
OCT	177.300	5.720	7.880		137	7.3	94	23.1	107	1.6	98	18.7	5.0	.55	89	.803					
NOV	139.010	4.630	5.700		148	19.6	86	17.8	84	6.1	92	10.9	5.3	.81	84	.627					
DEC	158.390	5.110	6.970		98	8.6	91	14.2	68	1.9	97	10.5	4.8	.90	81	.624					
TOTAL					1884.180				249.0				170.2				7.227				
AVERAGE		5.136			145		8.1 93		99		6.4 93		4.7		.82 82						
MAXIMUM			18.470																		
NO. OF SAMPLES					52		52		52		52		63		63						

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002540

WEST END WPCP IN OP 1986

MUNICIPALITY : SAULT STE.MARIE(WEST END
REGION : 05 NORTHEASTERNTREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 0
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 18.184 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><---				TOTAL PHOSPHORUS				---				
TOTAL		AVG DAY	MAX DAY	PEAK RT	REDUCTION								REDUCTION								REDUCTION							
VOLUME		1000 M3	1000 M3	1000 M3	INFLUENT	EFFLUENT		1000	INFLUENT	EFFLUENT		1000	INFLUENT	EFFLUENT		1000												
DATE	1000 M3	/DAY	/DAY	/DAY	MG/L	MG/L	%	KG	MG/L	MG/L	%	KG	MG/L	MG/L	%	KG												
JAN/86-DEC/86																												
JAN																												
FEB																												
MAR	427.500	13.790	33.000		120	27.1	77	39.7	120	18.6	84	43.3	6.2	2.04	67	1.778												
APR	303.000	10.800	27.000		115	11.3	90	31.4	100	9.4	90	27.4	3.6	1.72	52	.570												
MAY	239.834	7.737	19.980	31.100	151	14.8	90	32.6	121	18.9	84	24.4	6.1	2.44	60	.878												
JUN	266.752	8.892	29.900	123.400	147	19.8	86	33.9	129	11.8	90	31.2	4.7	.94	80	1.003												
JUL	205.806	6.639	11.980	32.920	188	7.5	96	37.1	180	5.0	97	36.0	5.9	.63	89	1.085												
AUG	254.745	8.218	14.980	35.280	222	7.1	96	54.7	193	4.4	97	48.0	5.0	.57	88	1.129												
SEP	276.720	9.220	19.980	71.740	178	5.5	96	47.7	186	3.0	98	50.6	4.9	.62	87	1.184												
OCT	205.800	9.355	17.982	64.092	153	4.8	96	30.5	145	6.7	95	28.5	3.9	.51	87	.714												
NOV	273.770	9.126	14.985	25.728	143	4.3	96	38.0	101	3.7	96	26.7	4.9	.43	91	1.229												
DEC	225.770	7.283	8.991	34.692	242	19.2	92	50.3	180	16.9	90	36.9	5.8	.46	92	1.208												
TOTAL		2679.697						396.3				353.4				10.778												
AVERAGE			9.106		166	12.1	91		145	9.8	92		5.1	1.03	79													
MAXIMUM				33.000																								
NO. OF SAMPLES					42	42			46	48			42	44														

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001435

STURGEON FALLS WPCP

MUNICIPALITY : STURGEON FALLS
REGION : 05 NORTHEASTERNTREATMENT FACILITY : CONVENTIONAL ACTIVATED SLUDGE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 6,040
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 4.546 1000 M3

DESIGN BOD5 : 180.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<--- FLOW DATA

---><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL	AVG DAY	MAX DAY	PEAK RT	INFLUENT	EFFLUENT	REDUCTION			INFLUENT	EFFLUENT	REDUCTION			INFLUENT	EFFLUENT	REDUCTION			
	VOLUME	1000 M3	1000 M3	1000 M3			1000	1000	1000			1000	1000	1000			1000	1000	1000	1000
	1000 M3	/DAY	/DAY	/DAY	MG/L	MG/L	%	KG	MG/L	MG/L	%	KG	MG/L	MG/L	%	KG	MG/L	MG/L	%	KG
JAN/86-DEC/86																				
JAN	114.086	3.680	3.900	15.911	83	7.4	91	8.6	90	4.1	95	9.8	4.0	.41	89	.410				
FEB	94.533	3.376	3.800	13.638	91	6.4	92	7.9	86	5.8	93	7.5	4.0	.39	90	.341				
MAR	147.495	4.757	9.500	16.000	98	6.0	93	13.5	121	6.6	94	16.8	3.7	.23	93	.512				
APR	193.167	6.439	10.800	16.000	41	14.2	65	5.1	44	21.9	50	4.2	2.0	.99	50	.195				
MAY	208.350	6.720	9.300	16.000	54	16.2	70	7.8	66	3.7	94	12.9	3.1	.25	91	.594				
JUN	166.532	5.550	7.600	16.000	62	4.0	93	9.6	68	4.1	93	10.6	3.1	.31	90	.465				
JUL	153.981	4.967	7.700	16.000	73	3.2	95	10.7	83	4.2	94	12.1	3.5	.36	89	.484				
AUG	139.657	4.505	5.900	16.000	74	6.1	91	9.4	87	6.9	92	11.1	3.5	.39	88	.434				
SEP	126.460	4.215	7.100	16.000	74	5.8	92	8.6	93	7.9	91	10.7	3.5	.64	81	.362				
OCT	147.582	4.761	5.500	16.000	70	4.0	94	9.7	81	5.5	93	11.1	3.2	.35	89	.421				
NOV	142.313	4.743	5.300	16.000	66	5.6	91	8.5	81	5.4	93	10.7	3.3	.33	90	.423				
DEC	116.168	3.747	4.800	16.000	84	6.0	92	9.0	124	6.2	95	13.6	3.9	.51	86	.394				

TOTAL
1750.324

109.1

131.8

5.035

AVERAGE

4.788

72

7.0 88

85

6.8 90

3.4

.43 86

MAXIMUM

10.800

NO. OF SAMPLES

23

24

74

70

24

23

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000310

LAKE TEMISKAMING OLD WPCP

MUNICIPALITY : HAILEYBURY OLD
REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONTACT STABILIZATION

DESIGN POPULATION : 0
POPULATION SERVED : 3,240
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.591 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				---	
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	
JAN/86-DEC/86																	
JAN	40.920	1.320	1.320		121	46.5	61	3.0	98	44.4	54	2.1	5.0	3.80	24	.049	
FEB	36.960	1.320	1.320		135	60.0	55	2.7	202	65.9	67	5.0	5.9	3.76	36	.079	
MAR	40.920	1.320	1.320		126	49.0	61	3.1	88	64.4	26	.9	8.9	3.88	56	.205	
APR	26.550	1.150	1.180		58	13.0	77	1.1	80	16.8	79	1.6	.9	1.70	-	-	
MAY																	
JUN																	
JUL																	
AUG																	
SEP																	
OCT																	
NOV	4.419	.295	.463			27.4			162	20.0	87	.6		2.84			
DEC	6.098	.197	.368		87	10.2	88	.4	146	10.1	93	.8	3.0	1.39	53	.010	
TOTAL																	
	155.867							10.6				11.3				.343	
AVERAGE																	
		.934			105	34.3	68		129	36.9	68		4.7	2.89	42		
MAXIMUM																	
			1.320														
NO. OF SAMPLES																	
					10	10			26	28			9	9			

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002121

IROQUOIS FALLS WPCP

MUNICIPALITY : IROQUOIS FALLS
REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONTACT STABILIZATION

DESIGN POPULATION : 0
POPULATION SERVED : 5,575
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 4.091 1000 M3

DESIGN BOD5 : 155.0 MG/L

DESIGN SUSP.SOLIDS : 160.0 MG/L

FLOW DATA				---><---BIOCHEMICAL OXYGEN DEMAND---><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS ---><---								
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG				
JAN/86-DEC/86																				
JAN	74.190	2.390	3.790	4.090	109	13.0	88	7.1	145	11.8	91	9.8	4.7	2.84	39	.138				
FEB	61.160	2.180	2.670	4.090	56	15.0	73	2.5	68	8.1	88	3.6	3.3							
MAR	97.890	3.160	6.220	6.820	33	16.0	51	1.6	66	10.9	83	5.3	2.2	2.46	-	-				
APR	135.120	4.500	7.210	7.270	46	16.0	65	4.0	37	10.6	71	3.5	2.2	.86	60	.181				
MAY	120.120	3.870	7.260	7.270	39	13.5	65	3.0	27	6.5	75	2.4	2.8	.92	67	.226				
JUN	82.380	2.740	3.650	6.820	107	13.6	87	7.6	58	7.2	87	4.1	3.6	2.30	36	.107				
JUL	78.220	2.520	3.740	7.270	35	13.5	61	1.6	40	19.3	51	1.6	3.3	2.64	20	.052				
AUG																				
SEP	115.190	3.840	9.210	11.370	36	11.9	66	2.7	30	7.4	75	2.6	2.4	2.12	11	.032				
OCT	122.640	3.960	8.470	9.090	36	8.2	77	3.4	42	6.2	85	4.3	3.6	1.14	69	.313				
NOV	91.260	3.040	4.270	5.910	19	9.6	49	.8	60	8.8	85	4.6	2.6	1.11	57	.136				
DEC	75.820	2.460	2.660	5.450	53	9.4	82	3.3	63	7.1	88	4.2	2.7							
TOTAL								38.1									46.6			1.185
AVERAGE		3.151				51	12.7	69			57	9.4	80			3.0	1.82	45		
MAXIMUM			9.210																	
NO. OF SAMPLES					19	20			43	43			20	15						

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 120000015

KIRKLAND LAKE WPCP

MUNICIPALITY : KIRKLAND LAKE

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONTACT STABILIZATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 12,500
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 13.638 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				----<<--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				----<<-- TOTAL PHOSPHORUS ---->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																			
JAN	354.300	11.400	12.700	21.800	72	19.0	73	18.7	59	27.5	53	11.1	3.2	1.10	65	.744			
FEB	345.200	12.300	16.200	27.700	90	20.0	77	24.1	55	14.8	73	13.8	3.6	1.10	69	.863			
MAR	434.600	14.000	29.800	45.400	52	10.1	80	18.2	56	13.0	76	18.6	3.3	.80	75	1.087			
APR	636.400	21.200	37.200	45.400	34	9.5	72	15.5	61	22.7	62	24.3	2.6	.90	65	1.082			
MAY	350.800	11.316	18.700	35.400	80	6.9	91	25.6	84	12.0	85	25.4		.38					
JUN	282.000	9.400	13.300	26.400	58	20.1	65	10.6	87	14.2	83	20.5	4.5	1.40	68	.874			
JUL	280.000	9.000	12.500	45.400	43	4.6	89	10.7	88	12.0	86	21.2	4.0	1.00	75	.840			
AUG	333.600	10.800	20.700	45.500	58	7.7	86	16.7	97	9.9	89	29.0	3.2	.70	78	.834			
SEP	298.500	9.900	14.500	23.200	39	11.1	71	8.3	80	9.1	88	21.1	3.3	.99	70	.704			
OCT	316.800	10.200	18.200	31.800	97	6.9	92	28.5	88	8.9	89	25.0	3.8	.50	86	1.045			
NOV	335.900	11.200	13.700	22.300	43	11.2	73	10.6	73	10.7	85	20.9	2.3	.50	78	.605			
DEC	385.400	12.400	14.900	28.200	23	4.4	80	7.1	51	12.2	76	14.9	2.8	.80	71	.771			
TOTAL	4353.500							195.3				246.5				9.449			
AVERAGE		11.926			57	10.9	79		73	13.9	79		3.3	.84	73				
MAXIMUM			37.200																
NO. OF SAMPLES					22	22			119	116				79	102				

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001060

MOOSONEE WPCP (OLD TOWNSITE)

MUNICIPALITY : MOOSONEE (OLD TOWNSITE)

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONTACT STABILIZATION

DESIGN POPULATION : 0

POPULATION SERVED : 1,200

PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.509 1000 M3

DESIGN BOD5 : 254.0 MG/L

DESIGN SUSP.SOLIDS : 286.0 MG/L

<--- FLOW DATA				---><---BIOCHEMICAL OXYGEN DEMAND---><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS --->				
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																
JAN	20.339	.656	.738		153	43.0	71	2.2	83	36.7	56	.9	5.5	2.63	52	.059
FEB	12.508	.447	.651		196	44.0	77	1.9	123	49.2	60	.9	4.8	2.27	53	.033
MAR	14.498	.497	.580		131	35.0	73	1.3	129	51.9	59	1.1	3.6	1.59	55	.029
APR	24.511	.817	1.398													
MAY	14.919	.481	.710													
JUN	14.652	.488			120	36.9	69	1.2	267	20.6	92	3.6				
JUL	16.207	.522	.693		120	27.9	76	1.5	109	16.4	85	1.5	4.7	.95	80	.062
AUG	13.910	.449	.583		74	15.4	79	.8	141	16.3	88	1.7	5.2	1.22	76	.055
SEP	16.705	.557	.631		37	4.0	89	.5	66	8.0	87	.9	3.2	.36	88	.048
OCT	16.223	.523	.657		105	23.0	78	1.3	117	26.8	77	1.4	2.8	.48	83	.038
NOV	15.314	.510	.586		96	9.6	90	1.3	94	9.0	90	1.3	5.2	.86	83	.067
DEC	16.061	.518	.656		176	10.4	94	2.6	48	10.8	77	.6	3.5	.92	73	.042
TOTAL	195.847							14.9				14.2				.433
AVERAGE		.539			120	24.9	79		118	24.5	77		4.3	1.25	71	
MAXIMUM			1.398													
NO. OF SAMPLES					16	16			15	15			15	13		



SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000025

MATHESON WPCP

MUNICIPALITY : BLACK R MATHESON(MATH)
REGION : 05 NORTHEASTERN

TREATMENT FACILITY : EXTENDED AERATION

DESIGN POPULATION : 0
POPULATION SERVED : 920
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.045 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---><-BIOCHEMICAL OXYGEN DEMAND-><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG
JAN/86-DEC/86																
JAN	16.400	.520	.740	.750	99	7.6	92	1.4	70	9.4	86	.9	3.0	3.08	-	
FEB	15.500	.550	.690	.700	60	10.3	82	.7	46	13.4	70	.5	5.4	3.18	41	.034
MAR	21.300	.680	1.850	2.240	55	9.9	82	.9	43	9.0	79	.7	4.3	2.62	39	.036
APR	39.700	1.390	3.220	3.500	47	9.1	80	1.5	27	14.5	46	.5	2.1	1.36	35	.029
MAY	32.000	1.030	1.580	1.620	85	6.0	92	2.5	31	6.5	79	.7	3.4	1.26	62	.068
JUN	22.000	.730	.930	1.020	67	4.4	93	1.3	35	7.7	78	.6	4.6	1.19	74	.075
JUL	21.300	.680	.920	1.100	89	2.2	97	1.8	66	4.1	93	1.3	7.2	2.06	71	.109
AUG	29.700	.950	2.900	3.750	37	4.7	87	.9	54	4.6	91	1.4	5.5	1.88	65	.108
SEP	26.100	.870	1.420	1.600	29	7.7	73	.5	34	6.8	80	.7	4.5	1.41	68	.081
OCT	30.100	.970	1.910	2.310	46	6.7	85	1.1	59	13.3	77	1.3	4.2	1.66	60	.076
NOV	26.700	.890	1.180	1.380	84	6.8	91	2.0	90	8.2	90	2.1	4.2	1.80	57	.064
DEC	23.210	.740	.840	.990	72	5.2	92	1.5	62	4.4	92	1.3	4.2	2.11	49	.049
TOTAL	304.010							16.7				12.5				.729
AVERAGE		.833			64	6.7	87		51	8.4	80		4.3	1.96	56	
MAXIMUM			3.220													
NO. OF SAMPLES					22	22			17	19			21	22		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002416

BLIND RIVER WPCP

MUNICIPALITY : BLIND RIVER

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : EXTENDED AERATION

DESIGN POPULATION : 0

POPULATION SERVED : 3,200

PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 3.500 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

----- FLOW DATA				----><--BIOCHEMICAL OXYGEN DEMAND--><----				SUSPENDED SOLIDS				----><--- TOTAL PHOSPHORUS ---->				
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG
JAN/86-DEC/86																
JAN	53.509	1.726	2.000	2.000	95	5.2	94	4.8	80	10.0	87	3.7	5.3	2.70	49	.139
FEB	45.812	1.636	2.500	2.500	114	8.2	92	4.8	109	13.2	87	4.3	5.5	3.70	32	.082
MAR	83.797	2.703	4.195	1.600	111	11.5	89	8.3	53	6.7	87	3.9	4.4	1.70	61	.226
APR	95.007	3.164	3.991	2.750	98	3.6	96	8.9	46	6.5	85	3.7	4.9	1.88	62	.292
MAY	77.500	2.500	3.100	3.100	59	4.9	91	4.1	38	5.3	86	2.5	3.9	2.60	33	.101
JUN	48.536	1.618	2.182	2.500	143	6.0	95	6.6	46	8.8	80	1.8	5.9	2.80	52	.150
JUL	53.154	1.714	2.000	2.000	74	5.9	92	3.6	43	6.9	84	1.9	3.0	1.30	56	.090
AUG	54.679	1.764	2.000	1.941	40	3.8	90	2.0	55	5.5	90	2.7	2.7	1.66	38	.057
SEP	60.303	2.010	2.895	2.500	38	1.7	95	2.1	34	4.5	87	1.8	5.6	2.40	57	.196
OCT	80.627	3.310	3.554	4.000					49	6.0	87	3.4				
NOV	66.727	2.224	3.045		62				62	6.2	90	3.7				
DEC	61.564	1.985	2.545						79	54.0	31	1.5				
TOTAL	781.215							45.6				35.4				1.333
AVERAGE		2.196			83	5.6	93		58	11.1	82		4.5	2.30	49	
MAXIMUM			4.195													
NO. OF SAMPLES					15	12			54	56			12	13		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002158

LAKE TEMISKAMING NEW WPCP

MUNICIPALITY : HAILEYBURY NEW
REGION : 05 NORTHEASTERNTREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 0
POPULATION SERVED : 0
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.609 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

FLOW DATA				BIOCHEMICAL OXYGEN DEMAND				SUSPENDED SOLIDS				TOTAL PHOSPHORUS				
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG
JAN/86-DEC/86																
JAN	40.920	1.320	1.320		121	46.5	61	3.0	98	44.4	54	2.1	5.0	3.80	24	.049
FEB	36.960	1.320	1.320		134	49.5	63	3.1	230	104.2	54	4.6	5.9	6.10	-	-
MAR	40.920	1.320	1.320		126	43.0	65	3.3	172	79.6	53	3.7	8.9	5.60	37	.135
APR	49.290	1.640	2.710		51	16.0	68	1.7	70	21.0	70	2.4	3.1	1.63	47	.072
MAY	77.500	2.500	2.500		90	8.0	91	6.3	75	20.0	73	4.2	5.6	2.20	60	.264
JUN	75.000	2.500	2.500		176	6.0	96	12.7	94	20.4	78	5.5	9.1	1.57	82	.565
JUL	77.500	2.500	2.500		75	4.0	94	5.5	108	9.1	91	7.6		1.89		
AUG	77.500	2.500	2.500		145	6.4	95	10.7	96	9.5	90	6.7	6.6	.61	90	.464
SEP	56.930	1.900	3.000		187	2.6	98	10.4	194	13.2	93	10.2	5.7	1.60	71	.233
OCT	67.880	2.190	3.710		62	11.5	81	3.4	165	14.5	91	10.2	3.0	.75	75	.153
NOV	37.970	1.200	1.500			3.7			169	9.8	94	6.0		1.30		
DEC	27.640	.892	1.069		87	7.6	91	2.1	132	6.2	95	3.4		1.08		
TOTAL	666.010							62.7				67.2				1.935
AVERAGE		1.815			114	17.0	82		133	29.3	78		5.8	2.34	61	
MAXIMUM			3.710													
NO. OF SAMPLES					22	22			59	58			19	22		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001952

HORNEPAYNE WPCP

MUNICIPALITY : HORNEPAYNE

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : EXTENDED AERATION

DESIGN POPULATION : 0
 POPULATION SERVED : 1,675
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.363 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				----><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				----><---				TOTAL PHOSPHORUS				----																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	TOTAL VOLUME	AVG DAY 1000 M3	MAX DAY 1000 M3	PEAK RT 1000 M3				REDUCTION				REDUCTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110003004

KAPUSKASING WPCP

MUNICIPALITY : KAPUSKASING

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : EXTENDED AERATION

DESIGN POPULATION : 0
 POPULATION SERVED : 12,000
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 9.092 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA				----><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				----><--- TOTAL PHOSPHORUS ---->				
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																
JAN	121.200	3.900	4.200	7.300	224	5.4	97	26.4	197	14.0	92	22.1	2.5	8.80	-	-
FEB	104.800	3.700	4.000	6.900	170	6.0	96	17.1	225	12.8	94	22.2	5.4	3.50	35	.199
MAR	142.500	4.600	7.000	12.900	205	5.0	97	28.6	223	10.2	95	30.4	5.6	2.70	51	.413
APR	215.600	7.200	9.200	12.900	82	4.8	94	16.8	77	4.5	94	15.6	3.2	1.20	62	.431
MAY	178.600	5.800	7.800	7.300	72	3.7	94	12.2	125	5.4	95	21.5	4.5	1.36	69	.561
JUN	153.500	5.100	6.000	12.100	187	11.2	94	27.0	142	7.3	94	20.7	3.3	2.22	32	.166
JUL	140.000	4.500	5.100	8.600	69	6.4	90	8.7	79	9.0	88	9.8	5.3	2.68	49	.367
AUG	129.200	4.200	5.600	6.400	63	5.3	91	7.5	130	8.2	93	15.8	4.4	2.15	51	.291
SEP	133.500	4.500	5.700	6.500	94	5.6	94	11.8	194	8.5	95	24.7	5.2	4.30	17	.120
OCT	175.100	5.700	7.700	10.300	84	3.3	96	14.1	152	3.5	97	26.0	3.3	1.90	42	.245
NOV	144.500	4.800	5.900	8.200	117	2.6	97	16.5	132	3.6	97	18.5	4.7	2.56	45	.309
DEC	141.200	4.500	5.100	9.100	117	7.6	93	15.4	187	6.4	96	25.6	5.4	4.00	25	.198
TOTAL		1779.700						202.7				253.4				3.300
AVERAGE			4.875		123	5.5	94		155	7.7	94		4.4	3.11	43	
MAXIMUM				9.200												
NO. OF SAMPLES					39	39			103	101			20	17		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001774

LATCHFORD WPCP

MUNICIPALITY : LATCHFORD

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : EXTENDED AERATION

DESIGN POPULATION : 0
 POPULATION SERVED : 427
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.340 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 233.0 MG/L

<---				FLOW DATA					----><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				----><-- TOTAL PHOSPHORUS ---->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG
JAN/86-DEC/86																				
JAN	10.339	.334	.410	1.960	72	10.6	85	.6	350	27.4	92	3.3	3.6	1.80	50	.019				
FEB	9.862	.352	.422	1.960	81	16.5	79	.6	215	27.8	87	1.8	8.5	1.48	82	.070				
MAR	12.208	.394	.934	1.960	34	19.0	44	.1	48	19.2	60	.3	2.3	1.64	28	.008				
APR	13.736	.458	.828	1.960	25	8.4	66	.2	45	19.5	56	.3	1.9	.90	54	.015				
MAY	11.756	.379	.443	1.960	69	9.5	86	.6	89	20.6	77	.8	4.6	.99	78	.043				
JUN	9.799	.326	.458	1.960							17.0									
JUL	7.973	.257	.403	1.960	34	3.3	90	.2	51	10.9	78	.3	1.4	1.50	-					
AUG	8.192	.264	.303	1.960	103	2.3	97	.8	111	14.3	87	.7	5.1	1.21	76	.032				
SEP	8.145	.272	.332	1.960	61	2.3	96	.4	65	12.5	80	.4	3.4	1.33	61	.017				
OCT	9.278	.299	.358	1.960	37	7.8	78	.2	82	25.0	69	.5	3.5	2.84	20	.007				
NOV	9.318	.311	.415	1.960	39	2.4	93	.3	51	18.8	63	.3	1.8	1.48	20	.003				
DEC	9.253	.298	.359	1.960	94	5.2	94	.8	40	18.9	53	.1	2.9	1.47	50	.014				
TOTAL	119.859							5.3				9.2				.228				
AVERAGE		.329			59	7.9	83		104	19.3	73		3.5	1.51	52					
MAXIMUM			.934																	
NO. OF SAMPLES					19	19			19	68			19	15						

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 120000319

MOOSONEE WPCP (NORTH)

MUNICIPALITY : MOOSONEE (NORTH)
REGION : 05 NORTHEASTERN

TREATMENT FACILITY : EXTENDED AERATION

DESIGN POPULATION : 0
POPULATION SERVED : 300
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.250 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND-><---				SUSPENDED SOLIDS				---><-- TOTAL PHOSPHORUS				---	
	TOTAL VOLUME	AVG DAY	MAX DAY	PEAK RT	REDUCTION				REDUCTION				REDUCTION								
DATE	1000 M3	1000 M3 /DAY	1000 M3 /DAY	1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	%	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	%	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	%	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	%	1000 KG	
JAN/86-DEC/86																					
JAN	9.969	.321	.422		67	11.0	83	.5	154	15.8	89	1.3	2.9	.35	87	.025					
FEB	9.442	.337	.488		30	8.2	73	.2	139	13.9	89	1.1	14.2	1.20	91	.123					
MAR	9.772	.315	.374		48	10.1	79	.3	109	19.0	82	.8	1.4	.30	79	.011					
APR	10.752	.358	.402		22	5.1	76	.1	28	10.4	62	.1	1.2	.72	40	.005					
MAY	8.655	.279	.338																		
JUN	7.203	.240	.293		50	7.7	84	.3	147	7.1	95	1.0	2.6	.12	95	.018					
JUL	6.341	.205	.311		96	5.1	94	.5	64	9.7	84	.3	2.0	2.30	-	-					
AUG	6.147	.198	.205		23	2.4	89	.1	114	18.4	83	.5	1.7	.20	88	.010					
SEP	5.937	.198	.201		43	4.8	88	.2	129	17.9	86	.6	4.3	3.60	16	.004					
OCT	6.244	.203	.227		32	4.8	85	.1	63	34.4	45	.1	1.5	.24	84	.008					
NOV	5.974	.199	.255		38	6.3	83	.1	88	8.4	90	.4	1.4	.12	91	.008					
DEC	6.278	.203	.226		70	7.2	89	.3	81	13.4	83	.4	2.2	.29	86	.012					
TOTAL								3.3				7.3				.224					
AVERAGE																					
		.255			47	6.6	84		101	15.3	81		3.2	.85	76						
MAXIMUM																					
			.488																		
NO. OF SAMPLES																					
					19	19			18	18			18	19							

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002130

SMOOTH ROCK FALLS WPCP

MUNICIPALITY : SMOOTH ROCK FALLS
REGION : 05 NORTHEASTERN

TREATMENT FACILITY : EXTENDED AERATION

DESIGN POPULATION : 0
POPULATION SERVED : 2,251
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.636 1000 M3

DESIGN BOD5 : 150.0 MG/L

DESIGN SUSP.SOLIDS : 150.0 MG/L

<---				FLOW DATA				---><-BIOCHEMICAL OXYGEN DEMAND-><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				---	
DATE	TOTAL VOLUME	AVG DAY	MAX DAY	PEAK RT	INFLUENT	EFFLUENT	REDUCTION		INFLUENT	EFFLUENT	REDUCTION		INFLUENT	EFFLUENT	REDUCTION		INFLUENT	EFFLUENT	REDUCTION		
	1000 M3	1000 M3 /DAY	1000 M3 /DAY	1000 M3 /DAY			1000	KG			1000	KG			1000	KG			1000	KG	
	1000 M3				MG/L	MG/L	%		MG/L	MG/L	%		MG/L	MG/L	%		MG/L	MG/L	%		
JAN/86-DEC/86																					
JAN	40.625	1.310	1.441	1.727	203	5.2	97	8.0	121	7.9	93	4.5	5.7	2.31	59	.138					
FEB	35.879	1.281	1.364	1.455	22	1.9	91	.7	17	2.3	86	.5	2.9	2.24	22	.024					
MAR	54.207	4.275	1.268	5.455	50	2.1	95	2.5	44	3.8	91	2.2	2.6	2.24	13	.020					
APR	100.612	3.354	2.205	5.850	20	2.8	86	1.7	17	3.6	78	1.3	1.3	.76	41	.054					
MAY	60.186	1.941	2.727	2.955	56	5.2	90	3.0	30	3.3	89	1.6	1.7	1.58	7	.007					
JUN	50.499	1.683	1.968	3.200					42	7.5	82	1.7									
JUL	44.382	1.432	2.023	5.000	21	2.6	88	.8	27	6.4	76	.9	1.7	2.65	-	-					
AUG	48.127	1.552	2.545	3.409	22	2.6	88	.9	17	7.5	57	.4	1.7	1.76	-	-					
SEP	47.573	1.586	2.568	6.364	22	2.9	86	.9	69	7.0	89	2.9	1.5	2.24	-	-					
OCT	70.934	2.288	4.350	6.546	34	2.6	92	2.2	30	4.4	85	1.8	1.7	1.70	-	-					
NOV	47.260	15.750	1.909	22.730	19	2.3	88	.8	30	3.5	88	1.2	1.7	1.90	-	-					
DEC	42.084	1.357	1.545	1.727																	
TOTAL		642.368						21.9				19.5				.243					
AVERAGE			3.151		47	3.0	90		40	5.2	83		2.2	1.93	28						
MAXIMUM				4.350																	
NO. OF SAMPLES					20	20			24	28			20	20							



WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002149

CHAPLEAU LAGOON

MUNICIPALITY : CHAPLEAU
REGION : 05 NORTHEASTERNTREATMENT FACILITY : AERATED LAGOON
SERIES OPERATIONDESIGN POPULATION : 0
POPULATION SERVED : 2,450
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 4.546 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				----><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS ----><---				TOTAL PHOSPHORUS ---->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	58.554	1.888																	
FEB	57.400	2.050		57.400															
MAR	68.324	2.204		68.324															
APR	54.500	1.816		54.500															
MAY	46.810	1.510		46.810															
JUN	25.323	1.489		25.323															
JUL	48.650	1.621		48.650															
AUG	37.542	1.211		37.542															
SEP	31.517	1.050		31.517															
OCT	35.385	1.141		35.385															
NOV	38.463	1.282		38.463	24	18.1		24	16.4					1.2	1.10				
DEC	46.097	1.487		46.097	105	22.8		61	20.8					1.7	1.22				
TOTAL				548.565				490.011											
AVERAGE				1.562				64	20.4	51				43	18.6	49			
MAXIMUM																			
NO. OF SAMPLES								2	2					2	2				

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001104

RAMORE LAGOON

MUNICIPALITY : BLACK R MATHESON(RAMORE)
REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON CONTINUOUS

DESIGN POPULATION : 0
POPULATION SERVED : 320
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.122 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA ---><---BIOCHEMICAL OXYGEN DEMAND---><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	3.290	.106		3.290	110	35.0		135	32.5		5.3	4.97	
FEB	2.445	.870		2.450	134	25.5		154	27.8		1.9	3.79	
MAR	2.990	.090		2.990	100	37.0		102	30.3		6.9	4.75	
APR	8.480	.280		30.670	35	19.3		47	14.1		4.8	2.60	
MAY	4.590	.150			41			27			2.8		
JUN	3.325	.110			109			117			5.8		
JUL	3.343	.110			76			33			2.2		
AUG	5.400	.180			86			99			7.3		
SEP	5.350	.180			75			33			4.3		
OCT	5.230	.160		8.500	124	21.4		77	20.6		5.1	2.60	
NOV	3.730	.130			126			150			5.1		
DEC	3.520	.110			97			60			3.9		
TOTAL	51.693			47.900									
AVERAGE		.206			93	27.6	68	86	25.0	74	4.6	3.74	33
MAXIMUM													
NO. OF SAMPLES					23	14		22	14		22	14	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 120001559

VAL GAGNE LAGOON

MUNICIPALITY : BLACK R MATHESON(VAL GAGNE)
REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON CONTINUOUS

DESIGN POPULATION : 0
POPULATION SERVED : 300
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.122 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA ---><---BIOCHEMICAL OXYGEN DEMAND---><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	2.290	.074			240			341			10.1		
FEB	6.000	.214			145			138			5.8		
MAR	2.400	.077			150			207			6.0		
APR	6.600	.220		22.450	80	17.6		56	13.1		3.0	1.81	
MAY	3.300	.106			138			91			3.3		
JUN	2.800	.090			99			83			6.4		
JUL	3.000	.097			98			79			7.9		
AUG	2.620	.084			45			53			3.4		
SEP	3.360	.112			38			59			3.0		
OCT	2.030	.065			83			62			5.3		
NOV	2.240	.075			101			262			6.9		
DEC	2.650	.085			105			103			7.3		

TOTAL	39.290			22.450								
-------	--------	--	--	--------	--	--	--	--	--	--	--	--

AVERAGE		.108			110	17.6	78	128	13.1	76	5.7	1.81 41
---------	--	------	--	--	-----	------	----	-----	------	----	-----	---------

MAXIMUM

NO. OF SAMPLES

	23	5		22	5		23	5
--	----	---	--	----	---	--	----	---

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000187

ENGLEHART LAGOON

MUNICIPALITY : ENGLEHART

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON CONTINUOUS

DESIGN POPULATION : 0

POPULATION SERVED : 1,730

PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.909 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

FLOW DATA				BIOCHEMICAL OXYGEN DEMAND				SUSPENDED SOLIDS			TOTAL PHOSPHORUS		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	31.060	1.000	1.200	31.060	124	17.0		92	17.9		4.9	2.89	
FEB	29.000	1.036	2.100	29.000	82	30.0		116	34.9		4.2	3.27	
MAR	54.390	1.750	2.060	54.390	112	43.5		185	13.1		4.2	4.01	
APR	80.110	2.670	2.970	80.110	50	21.0		63	14.8		2.7	2.75	
MAY	80.250	2.580	2.920	80.250	35	17.0		34	15.4		1.7	1.74	
JUN	47.200	1.570	1.860	47.200	175	7.3		126	8.4		4.2	1.16	
JUL	41.250	1.320	1.410	41.250	49	7.4		39	7.0		2.8	1.56	
AUG	41.100	1.320	1.760	41.100	57	3.9		123	3.2		2.7	1.77	
SEP	54.980	1.830	1.960	54.980	72	2.9		114	3.7		4.9	1.92	
OCT	71.730	2.310	2.630	71.730	114	2.8		228	2.5		4.5	2.00	
NOV	57.350	1.910	2.070	57.350	76	5.6		81	10.4		4.0	1.70	
DEC	43.120	1.390	1.860	43.120	111	9.0		118	18.8		5.4	2.31	
TOTAL				631.540									
AVERAGE					88	13.9	81	110	12.5	84	3.9	2.25	41
MAXIMUM				2.970									
NO. OF SAMPLES					24	54		24	25		25	24	

CONVENTIONAL LAGOON SEASONAL

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001408

MANITOWANING LAGOON

MUNICIPALITY : ASSIGINACK(MANITOWANING)
REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 0
POPULATION SERVED : 440
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.250 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				---><-BIOCHEMICAL OXYGEN DEMAND-><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				---			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %							
JAN/86-DEC/86																							
JAN	6.485	.209	.256		230			151						6.6									
FEB	5.438	.194	.202		241			181						9.6									
MAR	14.594	.471	1.007	14.590	128			133						7.0									
APR	8.897	.273	.512	8.897	90			39						3.1									
MAY	6.154	.199	.281	21.816	17	20.7		24	56.6					1.6	2.88								
JUN	4.879	.163	.175		66			49						4.5									
JUL	5.699	.184	.218		59			39						4.0									
AUG	6.929	.224			31			45						1.8									
SEP	6.563	.219	.299		18									1.4									
OCT	7.842	.253	.273		24			25						1.8									
NOV	7.014	.234	.310	16.368	12	13.5		31	24.4					1.8	3.45								
DEC	8.149	.263	.361		19			23						.9									
TOTAL																							
	88.643			61.671																			
AVERAGE																							
		.241			77	17.1	-	67	40.5	21				3.6	3.16	-							
MAXIMUM																							
			1.007																				
NO. OF SAMPLES																							
					17	20		16	20					17	20								

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001756

BRUCE MINES LAGOON

MUNICIPALITY : BRUCE MINES
REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 0
POPULATION SERVED : 525
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.286 1000 M3

DESIGN BOD5 : 200.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<---				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS			---><---				TOTAL PHOSPHORUS			--->		
FLOW DATA																				
	TOTAL	AVG DAY	MAX DAY	T.VOL.TO	REDUCTION			REDUCTION			REDUCTION									
	VOLUME	1000 M3	1000 M3	W/COURSE	INFLUENT	EFFLUENT		INFLUENT	EFFLUENT		INFLUENT	EFFLUENT		INFLUENT	EFFLUENT					
DATE	1000 M3	/DAY	/DAY	1000 M3	MG/L	MG/L	%	MG/L	MG/L	%	MG/L	MG/L	%	MG/L	MG/L	%				
JAN/86-DEC/86																				
JAN	7.891	.255	.268		43			41						2.7						
FEB	6.870	.245	.260		67			70						3.1						
MAR	11.849	.382	.775		74			68						1.1						
APR	16.537	.551	.963	51.440	84	9.9		196	8.3		3.7	1.56								
MAY	13.263	.427	.481		65			28			3.5									
JUN	9.835	.327	.419		70			27			8.5									
JUL	10.768	.347	.586		147			131			6.4									
AUG	9.857	.318	.358		100			69			6.2									
SEP	10.639	.355	.460																	
OCT	11.901	.384	.528	48.862	113	11.3		49	9.6		2.5	1.48								
NOV	10.045	.335	.390		78			34			5.2									
DEC	10.338	.334	.425	48.862	31	11.4		18	9.6		2.8	1.48								
-TOTAL																				
	129.793			149.164																
-AVERAGE																				
		.355			79	10.8	80	66	9.1	74	4.1	1.50	48							
-MAXIMUM																				
			.963																	
-NO. OF SAMPLES																				
					15	11		15	11		14	11								

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001426

BURKS FALLS LAGOON

MUNICIPALITY : BURKS FALLS

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 0

POPULATION SERVED : 800

PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.681 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA ---><---BIOCHEMICAL OXYGEN DEMAND---><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	9.895	.319	.499		176			302			8.4		
FEB	8.666	.310	.416		137			148			7.1		
MAR	15.534	.501	.985		96			267			8.8		
APR	15.620	.521	.917	62.220	57	5.0		91	8.5		3.9	2.15	
MAY	12.129	.391	.681		88			114			4.5		
JUN	10.115	.337	.510		66			73			3.1		
JUL	9.837	.317	.603		86			86			5.9		
AUG	9.684	.312	.521		119			118			6.2		
SEP	9.567	.319	.478		107			44			5.5		
OCT	10.347	.334	.463	61.776	73	5.1		68	6.5		5.1	2.13	
NOV	9.379	.313	.430		80			82			5.4		
DEC	9.882	.319	.449		109			107			5.9		
TOTAL													
	130.655			123.996									
AVERAGE													
		.358			99	5.0	92	125	7.5	90	5.8	2.14	51
MAXIMUM													
			.985										
NO. OF SAMPLES													
					24	10		23	10		24	10	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001872

VERNER LAGOON

MUNICIPALITY : CALDWELL (VERNER)

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 1,116
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.477 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				----<--BIOCHEMICAL OXYGEN DEMAND-->----				SUSPENDED SOLIDS		----><---				TOTAL PHOSPHORUS		----	
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %					
JAN/86-DEC/86																					
JAN	12.988	.419	.544		80			68						3.3							
FEB	10.200	.364	.476		119			128						4.3							
MAR	16.048	.518	1.360		157			160						13.8							
APR	18.972	.816	.632	48.197	12	6.2		25	8.3					.8	.63						
MAY	17.476	.564	.748		73			41						4.9							
JUN	13.532	.451	.612	37.479	106	4.8		70	11.3					4.3	1.02						
JUL	11.560	.373	.408		139			88						3.7							
AUG	12.104	.390	.476		131			117						7.0							
SEP	11.356	.379	.544	37.760	77	6.8		452	16.0					3.2	.56						
OCT	16.200	.523	.810		70			53						3.8							
NOV	14.190	.470	.567	39.616	61			67	2.0					3.4	.36						
DEC	12.717	.410	.486		117			114						6.3							
TOTAL																					
	167.343			163.052																	
AVERAGE																					
		.473			95	5.9	78	115	9.4	86				4.9	.64	67					
MAXIMUM																					
			1.360																		
NO. OF SAMPLES																					
					23	15		21	17					23	13						

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002256

ST.CHARLES LAGOON

MUNICIPALITY : CASIMIR J.A.(ST CHARLES)
REGION : 05 NORTHEASTERNTREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 280
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.545 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

---- FLOW DATA ----				----<<BIOCHEMICAL OXYGEN DEMAND-->>----				SUSPENDED SOLIDS ----><----			TOTAL PHOSPHORUS ---->		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	2.070	.067	.081		201			207			11.0		
FEB	2.124	.076	.081		79			77			4.4		
MAR	5.045	.163	.190		51			128			5.4		
APR	4.519	.151	.163		115			226			6.5		
MAY	5.670	.183	.109		234			150			7.5		
JUN	5.952	.198	.204		141			94			4.8		
JUL	2.458	.079	.082		190			103			6.2		
AUG	2.222	.071	.082		162			89			11.2		
SEP	5.329	.178	.190		195			99			5.7		
OCT	6.284	.203	.231		142			96			5.8		
NOV	4.574	.152	.177		97			110			6.4		
DEC	5.053	.163	.177		194			104			4.9		
TOTAL													
	51.300												
AVERAGE													
		.140			150		-	123		-	6.6		-
MAXIMUM													
			.231										
NO. OF SAMPLES													
					19			19			17		

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002425

NOELVILLE LAGOON

MUNICIPALITY : COSBY M.M.(NOELVILLE)

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 0

POPULATION SERVED : 551

PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.795 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				---><-BIOCHEMICAL OXYGEN DEMAND-><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	5.720	.185	.218		164			230						8.8					
FEB	5.000	.179	.245		153			212						6.9					
MAR	8.780	.283	.695		122			165						6.8					
APR	8.980	.299	.423	71.715	73	7.1		168	26.6		4.8	.73							
MAY	8.270	.267	.463																
JUN	7.560	.252	.668		59			23			3.7								
JUL	7.060	.228	.341		112			89			4.1								
AUG	6.410	.207	.259		157			279			6.7								
SEP	6.500	.217	.327		111			221			4.0								
OCT	7.440	.240	.200																
NOV	6.400	.213	.272		95			206			4.3								
DEC	6.190	.200	.245		123			107			4.9								
TOTAL	84.310			71.715															
AVERAGE		.231			116	7.1	90	170	26.6	84	5.5	.73	84						
MAXIMUM			.695																
NO. OF SAMPLES					17	5		17	5		17	5							

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002513

GORE BAY LAGOON

MUNICIPALITY : GORE BAY

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 0
 POPULATION SERVED : 780
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.631 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS			---><--- TOTAL PHOSPHORUS		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	11.130	.350	.410		290			505			6.2		
FEB	9.440	.340	.370		174			142			2.4		
MAR	21.000	.680	1.780		154			151			4.2		
APR	16.730	.560	1.060					259			7.3		
MAY	12.550	.400	.560	111.600		11.5			139.3			1.77	
JUN	10.460	.350	.430		205			109			5.0		
JUL	11.430	.370	.470		102			49			5.0		
AUG	11.280	.300	.430		400			582			6.2		
SEP	10.520	.350	.490		132						5.5		
OCT	12.950	.420	.680										
NOV	12.130	.400	.560		390			517			5.5		
DEC	11.310	.360	.470		99			97			4.7		
---TOTAL													
	150.930			111.600									
AVERAGE													
		.407			216	11.5	-	267	139.3	-	5.2	1.77	-
MAXIMUM													
			1.780										
---NO. OF SAMPLES													
					11	10		11	10		12	10	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001382

NORTH COBALT LAGOON

MUNICIPALITY : HAILEYBURY (N.COALB)

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 0

POPULATION SERVED : 800

PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.340 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS --->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	12.900	.419	.640		179			137						32.6					
FEB	9.165	.327	.371	2.290	195			122						3.6					
MAR	16.059	.518	1.550	16.060	101			80						5.8					
APR	23.850	.795	1.600	23.800	219			135						4.6					
MAY	14.960	.483	.684	47.280	138	13.1		85	18.3					5.9	2.18				
JUN	12.660	.422	.589		125			234						4.8					
JUL	15.727	.507	.699		197			133						7.5					
AUG	16.233	.524	.611		418			379						9.1					
SEP	17.427	.581	1.330	14.750	114			103						6.1					
OCT	25.946	.837	1.167	62.740	103	4.7		71	14.8					2.2	3.40				
NOV	21.070	.702	.866		50			89						3.6					
DEC	15.474	.499	.677		136			94						6.0					
TOTAL																			
	201.471			166.920															
AVERAGE																			
		.551			164	8.9	92	138	16.5	78				7.6	2.79	63			
MAXIMUM																			
			1.600																
NO. OF SAMPLES																			
					22	6		22	3					22	6				

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000392

LITTLE CURRENT LAGOON

MUNICIPALITY : LITTLE CURRENT
REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 0
POPULATION SERVED : 1,500
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.927 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS			TOTAL PHOSPHORUS		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	18.850	.610	.660										
FEB	17.430	.623	.810										
MAR	35.210	1.100	3.500										
APR	26.570	.890	1.840	26.570	105	11.0		100	8.9		4.9	4.06	
MAY	21.480	.690	.910										
JUN	20.110	.650	.910										
JUL	19.400	.625	.720		194			131			8.4		
AUG	19.850	.640	.850										
SEP	22.900	.760	1.060		133						8.1		
OCT	25.700	.830	1.630	54.260	11						3.6		
NOV	26.430	.880	1.140		8			11			1.0		
DEC	26.310	.848	.950		102			67			3.6		
TOTAL													
	280.240			80.830									
AVERAGE													
		.762			92	11.0	89	77	8.9	91	4.9	4.06	17
MAXIMUM													
			3.500										
NO. OF SAMPLES													
					6	1		4	1		6	1	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000454

WAWA LAGOON

MUNICIPALITY : MICHIPICOTEN (WAWA)

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 0

POPULATION SERVED : 3,800

PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.818 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				----<--BIOCHEMICAL OXYGEN DEMAND-->----				SUSPENDED SOLIDS ---->----				TOTAL PHOSPHORUS ---->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	165.505	5.337		165.505															
FEB	156.040	5.573		156.040															
MAR	160.860	5.189		160.860															
APR	154.325	5.144		205.350			9.3					15.0							
MAY	116.348	3.753		116.666															
JUN	123.517	4.117																	
JUL	109.579	3.534																	
AUG	110.992	3.580																	
SEP	100.500	3.350																	
OCT	105.318	3.397		143.000			4.7					9.0							
NOV	122.400	4.080		107.000															
DEC	135.000	4.370																	
TOTAL																			
	1560.384			1054.421															
AVERAGE																			
		4.285					7.0	-				12.0	-						
MAXIMUM																			
NO. OF SAMPLES																			
							6					6							

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000230

MOONBEAM LAGOON

MUNICIPALITY : MOONBEAM

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 0
 POPULATION SERVED : 1,000
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.650 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

---- FLOW DATA ----><--BIOCHEMICAL OXYGEN DEMAND--><-- SUSPENDED SOLIDS ----><-- TOTAL PHOSPHORUS ---->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	9.672	.312	.369										
FEB	9.592	.343	.369										
MAR	11.899	.384	.461										
APR	18.428	.614	.645		28			77			4.7		
MAY	11.433	.369	.369										
JUN	11.990	.399	.461										
JUL	20.088	.648	.645		52			57					
AUG	9.854	.318	.461		582			539			5.7		
SEP	10.127	.338											
OCT	21.190	.684	.645	78.900		18.2			28.1			2.16	
NOV	7.925	.264	.369										
DEC	8.294	.268	.369										
TOTAL													
	150.492			78.900									
AVERAGE													
		.412			220	18.2	-	224	28.1	-	5.2	2.16	-
MAXIMUM													
			.645										
NO. OF SAMPLES													
					3	3		3	3		2	3	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001747

CALLANDER LAGOON

MUNICIPALITY : NORTH HIMSWORTH (CALL)

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 1,220
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.477 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---		FLOW DATA			---><--BIOCHEMICAL OXYGEN DEMAND--><---			SUSPENDED SOLIDS			---><--- TOTAL PHOSPHORUS			--->		
	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
DATE	1000 M3															
JAN/86-DEC/86																
JAN	23.132	.746	.786		172			112						6.4		
FEB	19.802	.707	.960		140			117						5.9		
MAR	15.376	.496	.528		100			115						5.6		
APR	20.250	.675	.898		59			44						3.3		
MAY	25.953	.831	.960		159			109						6.2		
JUN	20.252	.675	.680	89.575	94	5.7		59	8.7		5.0	.26				
JUL	20.777	.670	.689		109			123			6.5					
AUG	22.127	.713	.752		127			159			7.9					
SEP	17.132	.571	.580		82			56			5.1					
OCT	21.257	.696	.701	82.850	96	1.1		86	8.5		5.0	.18				
NOV	18.300	.610	.630		105			115			6.0					
DEC	17.702	.571			225			173			8.0					
TOTAL		242.060			172.425											
AVERAGE			.663		122	3.4	96	105	8.6	87	5.9	.22	95			
MAXIMUM				.960												
NO. OF SAMPLES					19	10		19	9		19	9				

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000613

POWASSAN LAGOON

MUNICIPALITY : POWASSAN

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
 PHOSPHORUS REMOVAL - BATCH
 REGULATED DISCHARGE VOLUME

DESIGN POPULATION : 0
 POPULATION SERVED : 1,100
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.845 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

----- FLOW DATA -----<---<---BIOCHEMICAL OXYGEN DEMAND--->----- SUSPENDED SOLIDS ----->----- TOTAL PHOSPHORUS ----->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	22.491	.726	1.163		76			74			4.0		
FEB	24.643	.880	1.871		120			81			4.0		
MAR	54.390	1.755	2.913		139			89			4.4		
APR	56.795	1.893	2.539		94			80			3.4		
MAY	48.764	1.573	3.487		98			42			3.7		
JUN	32.139	1.071	1.483		103			71			4.7		
JUL	17.693	.572	1.069		108			81			4.1		
AUG	18.254	.589	1.282		128			89			4.1		
SEP	24.215	.807	1.149		159			104			4.9		
OCT	32.875	1.060	1.621	90.800	125	10.9		92	7.8		4.8	.73	
NOV	28.505	.950	1.577		164			114			6.1		
DEC	25.244	.814	1.136		130			95			5.1		

TOTAL

386.008

90.800

AVERAGE

1.058

120 10.9 91

84 7.8 91

4.4 .73 84

MAXIMUM

3.487

NO. OF SAMPLES

24

5

24

5

24

5

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001916

WARREN LAGOON

MUNICIPALITY : RATTER & DUNNET (WARREN)

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 612
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.681 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS			---><--- TOTAL PHOSPHORUS		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	10.383	.334	.445		248			476			7.4		
FEB	5.393	.192	.409		130			165			7.7		
MAR	9.796	.316	.501		84			167			4.2		
APR	8.235	.275	.328		61			85			2.0		
MAY	9.556	.308	.365		88			82			3.6		
JUN	9.691	.323	.416		170			165			6.7		
JUL	6.392	.206	.329		73			108			3.7		
AUG	5.865	.189	.307		52			66			3.9		
SEP	10.166	.338	.401		86			108			5.9		
OCT	7.446	.240	.385		68			122			3.7		
NOV	7.624	.254	.367		97			85			6.7		
DEC	9.946	.320	.425		157			60			4.1		
TOTAL													
	100.493												
AVERAGE													
		.275			109		-	140		-	4.9		-
MAXIMUM													
			.501										
NO. OF SAMPLES													
					23			21			23		

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001792

FAUQUIER LAGOON

MUNICIPALITY : SHACKLETON & MACHIN
REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 0
POPULATION SERVED : 650
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.272 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---><--BIOCHEMICAL OXYGEN DEMAND-->---><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	11.414	.369											
FEB	19.640	.701	.890										
MAR	15.644	.505	.670										
APR	15.404	.513	.890		52			99			5.3		
MAY	10.945	.353	.447	48.600		24.7			42.0			1.31	
JUN	20.865	.697	.890										
JUL	7.372	.238			68			78			6.1		
AUG	6.921	.223	.335		100			119			7.2		
SEP	7.890	.260	.670		59			96			4.5		
OCT	13.623	.439	.670	48.600	59	2.3		331	2.6		2.7	.11	
NOV	9.154	.272	.447										
DEC	8.266	.267	.447										
TOTAL		147.138		97.200									
AVERAGE			.403		67	13.5	96	144	22.3	99	5.1	.71	96
MAXIMUM				.890									
NO. OF SAMPLES					5	2		5	2		5	2	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001961

SUNRIDGE LAGOON

MUNICIPALITY : SUNDRIDGE

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : .740
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.654 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---		FLOW DATA			----><--BIOCHEMICAL OXYGEN DEMAND--><---			SUSPENDED SOLIDS			----><---			TOTAL PHOSPHORUS			---->		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %			
JAN/86-DEC/86																			
JAN	19.979	.644	.745		29			11						.8					
FEB	17.004	.607	.677		28			20						1.4					
MAR	22.919	.739	1.050		41			22						.9					
APR	33.623	1.120	1.245		39			24						1.0					
MAY	30.432	.982	1.041	123.552	33	2.8		20	12.4					2.1	.68				
JUN	28.316	.944	1.331		29			31						2.6					
JUL	25.748	.830	.875		48			35						3.2					
AUG	21.006	.677	.858		61			68						3.7					
SEP	17.123	.571	.629		87			63						4.1					
OCT	19.204	.619	.680	123.552	66	1.0		41	5.1					4.2	.45				
NOV	16.872	.562	.615		59			29						3.8					
DEC	16.594	.535	.586		63			29						4.1					
TOTAL		268.820		247.104															
AVERAGE			.736		48	1.9	95	33	8.7	62				2.6	.56	78			
MAXIMUM			1.331																
NO. OF SAMPLES					22	14		22	14					22	14				

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002327

TEMAGAMI LAGOON

MUNICIPALITY : TEMAGAMI

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL
PHOSPHORUS REMOVAL - BATCHDESIGN POPULATION : 0
POPULATION SERVED : 440
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.113 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

---><-BIOCHEMICAL OXYGEN DEMAND-><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	3.580	.115			275			188			13.4		
FEB	3.320	.118											
MAR	2.936	.109											
APR	4.305	.144			241			166			8.5		
MAY	4.472	.144		20.000	181	3.1		142	6.1		7.9	.32	
JUN	3.877	.129			187			109			9.2		
JUL	4.550	.147			222			205			9.1		
AUG	4.433	.143			277			131			11.0		
SEP	3.727	.124			148			101			7.9		
OCT	3.860	.124			166			138			8.3		
NOV	2.680	.089											
DEC	2.116	.068											
--- TOTAL													
	43.856			20.000									
AVERAGE													
		.121			212	3.1	98	147	6.1	95	9.4	.32	95
MAXIMUM													
--- NO. OF SAMPLES													
					9	3		9	3		9	3	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002434

THESSALON LAGOON

MUNICIPALITY : THESSALON

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 0

POPULATION SERVED : 1,600

PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.231 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				---><-BIOCHEMICAL OXYGEN DEMAND->---				SUSPENDED SOLIDS				---><- TOTAL PHOSPHORUS --->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	33.600	1.084	1.160		65			55						11.5					
FEB	28.190	1.070	1.120		77			55						4.6					
MAR	41.185	1.328	2.270		23			27						2.3					
APR	44.730	1.491	2.510	223.080	63	19.6		56	13.3		3.2	1.64							
MAY	36.350	1.172	1.415		61			36			3.0								
JUN	36.500	1.216	1.560		47			30			3.3								
JUL	38.980	1.257	1.610		36			59			1.5								
AUG	39.530	1.275	1.360		45			30			3.7								
SEP	40.880	1.363	1.740																
OCT	44.130	1.424	1.750		27			38			2.1								
NOV	36.530	1.217	1.280	199.230	33	8.4		64	9.7		1.8	1.09							
DEC	37.230	1.200	1.390		55			50			4.1								
TOTAL																			
	457.835			422.310															
AVERAGE																			
		1.258			48	14.0	72	45	11.5	80	3.7	1.36	45						
MAXIMUM																			
			2.510																
NO. OF SAMPLES																			
					14	11		14	11		14	11							

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 22 JUL 87

WORKS NUMBER : 110002318

VAL-RITA LAGOON

MUNICIPALITY : VAL RITA-HARTY (VAL-RITA
REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 0
POPULATION SERVED : 580
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.568 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

---- FLOW DATA

----<-BIOCHEMICAL OXYGEN DEMAND->---- SUSPENDED SOLIDS ----<- TOTAL PHOSPHORUS ---->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%

JAN/86-DEC/86

JAN

FEB

MAR

APR

MAY

JUN

JUL

AUG

SEP

OCT

NOV

DEC

TOTAL

104.850

AVERAGE

3.8 -

9.1 -

1.14 -

MAXIMUM

-

NO. OF SAMPLES

4

4

4

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001881

WEBBWOOD LAGOON

MUNICIPALITY : WEBBWOOD

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 0
 POPULATION SERVED : 460
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.340 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

----- FLOW DATA -----<--BIOCHEMICAL OXYGEN DEMAND-->----- SUSPENDED SOLIDS -----<-- TOTAL PHOSPHORUS ----->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	2.395	.077	.104		354			209			15.5		
FEB	2.135	.076	.118		136			95			8.2		
MAR	3.061	.099	.176		178			111			7.5		
APR	2.480	.082	.107	21.700	156	22.2		78	21.7		8.2	4.57	
MAY	2.615	.084	.103		220			123			12.2		
JUN	2.491	.083	.105		178			119			11.8		
JUL	2.754	.088	.116		266			146			13.7		
AUG	2.510	.080	.100		304			225			12.7		
SEP	2.428	.080	.106		142			95			7.4		
OCT	2.784	.089	.146	36.680	181	18.4		143	29.7		8.7	3.95	
NOV	2.344	.078	.103		267			106			10.0		
DEC	2.495	.080	.095		101			86			8.3		
TOTAL													
	30.492			58.380									
AVERAGE													
		.083			206	20.3	87	128	25.7	75	10.3	4.26	49
MAXIMUM													
			.176										
NO. OF SAMPLES													
					25	9		25	9		25	9	

EXFILTRATION LAGOON

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000436

MATTAWA LAGOON

MUNICIPALITY : MATTAWA

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : EXFILTRATION LAGOON

DESIGN POPULATION : 0
 POPULATION SERVED : 2,686
 PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.091 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS			TOTAL PHOSPHORUS		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	32.270	1.040			153			52			5.3		
FEB	28.130	1.004			220			81			5.7		
MAR	34.940	1.127			70			30			2.9		
APR	45.300	1.510		6.130		10.0			28.5			1.00	
MAY	34.680	1.119		12.900	138	6.2		69	18.6		4.0	1.06	
JUN	35.330	1.178			119			62			5.5		
JUL	30.120	.972			49			22			2.8		
AUG	32.210	1.039			36			20			2.0		
SEP	33.210	1.107			164						7.2		
OCT	40.190	1.296			125			70			4.1		
NOV	36.270	1.209			90			101			4.8		
DEC	34.340	1.108			140			53			5.7		
TOTAL													
	416.990			19.030									
AVERAGE													
		1.142			118	8.1	95	56	23.5	73	4.5	1.03	73
MAXIMUM													
NO. OF SAMPLES													
					11	2		10	2		11	2	

AERATED CELL PLUS LAGOON

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000338

HEARST LAGOON

MUNICIPALITY : HEARST

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : AERATED CELL PLUS LAGOON
CONTINUOUS DISCHARGEDESIGN POPULATION : 0
POPULATION SERVED : 5,270
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 6.819 1000 M3

DESIGN BOD5 : 250.0 MG/L

DESIGN SUSP.SOLIDS : 250.0 MG/L

<---				FLOW DATA				----><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				----><-- TOTAL PHOSPHORUS ---->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86																			
JAN	62.618	2.019	2.805		425			118						8.8					
FEB	49.908	1.784	2.303		307			947						10.0					
MAR	66.992	2.161	6.400		206			169						8.2					
APR	95.201	3.173	8.370		85			58						4.7					
MAY	95.831	3.091	4.474	109.212	293	15.8		31	34.4		2.7	1.83							
JUN	96.506	3.216	5.857	123.990	70	16.5		54	16.9		3.4	2.13							
JUL	91.128	2.940	4.000		85			97			5.5								
AUG	92.487	2.983	3.600		90			75			4.1								
SEP	89.289	2.976	7.092		89			19			4.0								
OCT	111.345	3.592	4.000		21			27			1.5								
NOV	77.813	2.593	6.923		90			91			5.3								
DEC	67.265	2.169	2.708		153			114			5.5								
TOTAL																			
	996.383			233.202															
AVERAGE																			
		2.725			159	16.1	85	150	25.6	68	5.3	1.98	36						
MAXIMUM																			
			8.370																
NO. OF SAMPLES																			
					21	13		19	12		19	13							

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000515

NEW LISKEARD LAGOON (PH.REM.1987)

MUNICIPALITY : NEW LISKEARD
REGION : 05 NORTHEASTERNTREATMENT FACILITY : AERATED CELL PLUS LAGOON
CONTINUOUS DISCHARGEDESIGN POPULATION : 8,000
POPULATION SERVED : 5,500
PERCENT SERVED : 68.7

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 5.500 1000 M3

DESIGN BOD5 : 125.0 MG/L

DESIGN SUSP.SOLIDS : 160.0 MG/L

--- FLOW DATA ---				----<<BIOCHEMICAL OXYGEN DEMAND-->>----				SUSPENDED SOLIDS			---><--- TOTAL PHOSPHORUS --->		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN	95.147	3.069	3.709		122			132			5.5		
FEB	89.410	3.193	4.346		155			165			3.9		
MAR	148.301	4.784	13.681		82			141			4.7		
APR	215.943	7.198	12.723		69			76			3.3		
MAY	177.518	5.726	9.701		75			53			3.9		
JUN	117.380	3.913	5.527		81			92			5.8		
JUL	113.079	3.648	6.327										
AUG	116.382	3.754	8.007	62.269	91	3.5		77	4.3		7.1	2.26	
SEP	121.737	4.058	10.386		76			113			5.0		
OCT	149.361	4.818	11.668	168.435	74	3.5		76	15.4		4.2	2.49	
NOV	120.110	4.004	8.185		79			68			4.5		
DEC	103.072	3.325	4.305		90			95			5.5		
TOTAL													
	1567.440			230.704									
AVERAGE													
		4.291			90	3.5	95	98	9.8	87	4.8	2.37	54
MAXIMUM													
			13.681										
NO. OF SAMPLES													
					20	3		19	3		20	3	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110004021

NEW LISKEARD LAGOON CELLS A-B

MUNICIPALITY : NEW LISKEARD A-B

REGION : 05 NORTHEASTERN

TREATMENT FACILITY : AERATED CELL PLUS LAGOON
CONTINUOUS DISCHARGEDESIGN POPULATION : 0
POPULATION SERVED : 0
PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

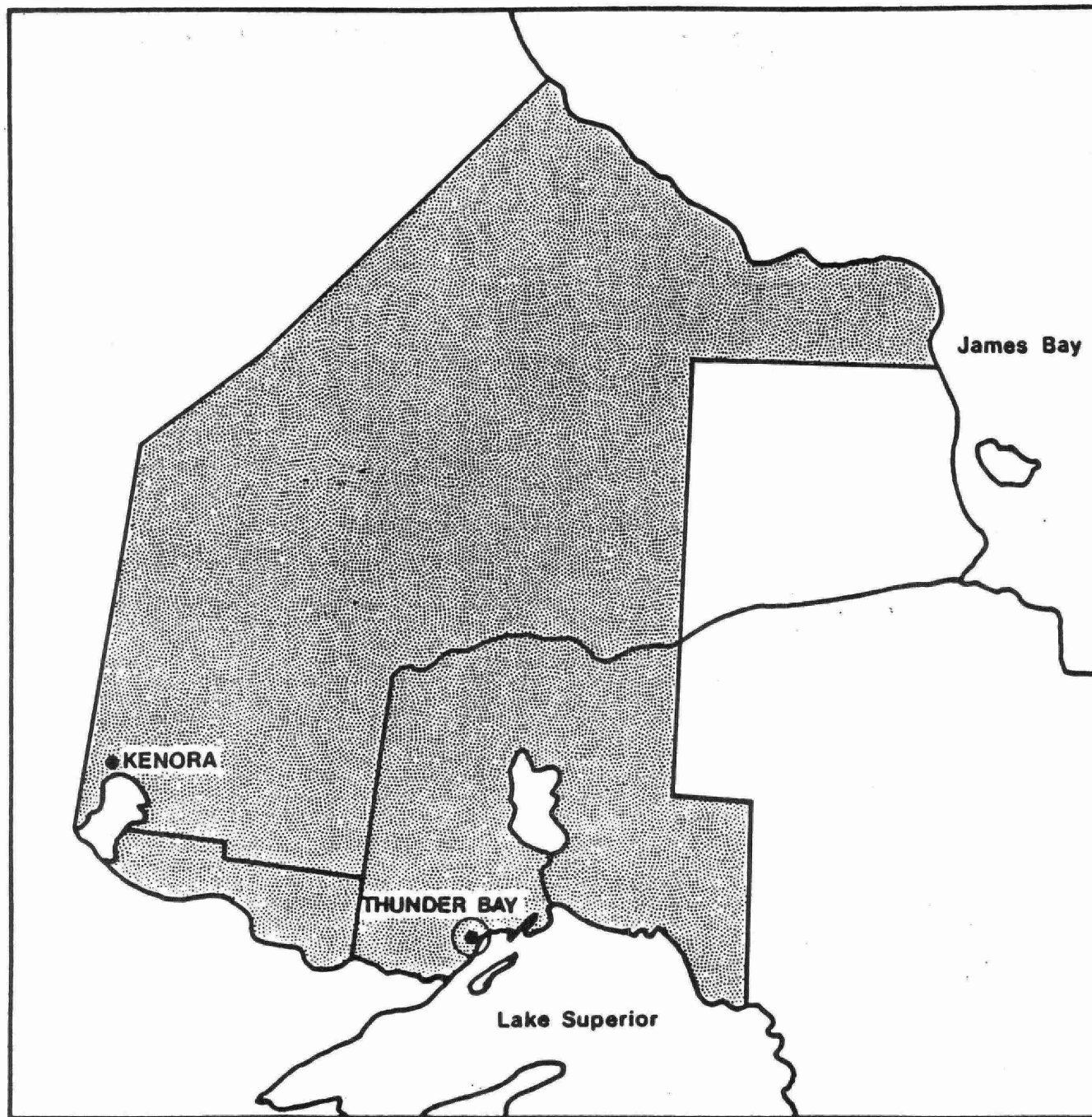
DESIGN CAPACITY : 0.954 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS			---><--- TOTAL PHOSPHORUS --->		
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %
JAN/86-DEC/86													
JAN				95.147		13.0			14.4			3.82	
FEB				89.410		19.0			12.0			4.75	
MAR				148.301		10.0			8.9			4.59	
APR				215.943		8.7			14.5			2.21	
MAY				177.518		16.9			44.3			1.18	
JUN				117.380		20.1			14.7			1.51	
JUL				113.079									
AUG													
SEP				135.361		2.8			7.6			2.33	
OCT													
NOV				35.800		2.8			4.4			2.14	
DEC				103.072		2.3			7.6			2.16	
TOTAL				1231.011									
AVERAGE						10.6	-		14.2	-		2.74	-
MAXIMUM													
NO. OF SAMPLES						15			16			17	





NORTHWESTERN REGION (6)

REGIONAL OFFICE

THUNDER BAY

435 James St. S.

P.O. Box 5000

807-475-1205

DISTRICT OFFICE

Kenora

808 Robertson St.

807-468-5578

PRIMARY TREATMENT PLANT

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110000258

FORT FRANCES WPCP

MUNICIPALITY : FORT FRANCES

REGION : 06 NORTHWESTERN

TREATMENT FACILITY : PRIMARY

DESIGN POPULATION : 12,000

POPULATION SERVED : 8,750

PERCENT SERVED : 72.9

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 9.092 1000 M3

DESIGN BOD5 : 130.0 MG/L

DESIGN SUSP.SOLIDS : 180.0 MG/L

<---		FLOW DATA			---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				---	
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG		
JAN/86-DEC/86																		
JAN	185.100	5.900	6.200	8.500	74	55.0	25	3.5	125	65.0	48	11.1	3.6	3.00	16	.111		
FEB	161.900	5.800	6.000	9.000	83	48.0	42	5.6	108	55.0	49	8.5	3.4	3.00	11	.065		
MAR	216.000	6.900	13.200	18.000	68	58.0	14	2.1	105	60.0	42	9.7	3.5	3.00	14	.108		
APR	289.700	9.700	22.500	32.000	53	30.0	43	6.6	117	63.0	46	15.6	2.1	1.90	9	.058		
MAY	306.000	9.900	17.200	25.000	34	30.0	11	1.2	65	55.0	15	3.0	2.1	2.10				
JUN	253.200	8.400	15.600	30.000	56	35.0	37	5.3	118	72.5	38	11.5	2.6	2.30	11	.076		
JUL	247.700	8.000	11.400	20.000	49	46.0	6	.7	120	50.0	58	17.3	2.6	2.20	15	.099		
AUG	205.000	6.600	7.400	19.500	67	42.0	37	5.1	135	63.0	53	14.7	3.6	2.70	25	.185		
SEP	188.500	6.300	7.300	15.300	73	48.0	34	4.7	183	65.0	64	22.2	3.8	3.10	18	.132		
OCT	187.300	6.000	6.400	10.000	52	41.0	21	2.0	120	60.0	50	11.2	3.1	2.80	9	.056		
NOV	117.500	5.900	6.900	13.500	94	66.0	29	3.2	175	55.0	68	14.1	4.1	3.40	17	.082		
DEC	172.200	5.600	6.000	9.000	73	63.0	13	1.7	137	68.0	50	11.8	4.2	3.60	14	.103		
TOTAL		2530.100						42.2				151.1				1.075		
AVERAGE			7.083		64	46.8	26		125	60.9	48		3.2	2.75	14			
MAXIMUM				22.500														
NO. OF SAMPLES					14	14			14	14			14	14				

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001042 LONGLAC WPCP

MUNICIPALITY : LONGLAC
REGION : 06 NORTHWESTERN

TREATMENT FACILITY : CONTACT STABILIZATION

DESIGN POPULATION : 4,000
POPULATION SERVED : 2,900
PERCENT SERVED : 72.5

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 2.341 1000 M3

DESIGN BOD5 : 150.0 MG/L

DESIGN SUSP.SOLIDS : 170.0 MG/L

<--- FLOW DATA

---><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG
JAN/86-DEC/86																
JAN	45.863	1.479	1.813		118	9.4	92	4.9	265	12.5	95	11.5	7.9	.97	87	.318
FEB	36.700	1.311	1.819		93	4.7	94	3.2	135	10.0	92	4.5	6.2	.69	88	.202
MAR	56.297	1.816	9.169		116	5.1	95	6.2	160	7.0	95	8.6	6.5	.49	92	.338
APR	102.990	3.433	5.981		47	5.1	89	4.3	73	22.5	69	5.2	2.9	.58	80	.239
MAY	73.976	2.386	4.014		58	4.7	91	3.9	105	8.0	92	7.1	2.7	1.07	60	.121
JUN	75.245	2.508	3.559		60	4.4	92	4.1	110	14.5	86	7.1	4.7	.47	90	.318
JUL	60.362	1.947	3.509		54	5.0	90	2.9	90	10.0	88	4.8	3.0	.42	86	.156
AUG	62.473	2.015	3.459		92	4.8	94	5.4	120	10.0	91	6.8	4.9	.59	87	.269
SEP	57.186	1.906	2.526		197	5.8	97	10.9	520	6.5	98	29.3	7.1	.73	89	.364
OCT	74.939	2.417	3.568		56	7.5	86	3.6	115	10.5	90	7.8	5.2	.70	86	.337
NOV	50.379	1.679	2.432		114	15.8	86	4.9	190	12.5	93	8.9	7.2	1.30	81	.297
DEC	41.267	1.331	1.887		117	8.6	92	4.4	180	20.0	88	6.6	7.1	2.15	69	.204

TOTAL

737.677

59.3

108.7

3.163

AVERAGE

2.019

93

6.7 92

171

12.0 90

5.4

.84 83

MAXIMUM

9.169

NO. OF SAMPLES

22

22

21

22

22

22

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001523 ATIKOKAN WPCP

MUNICIPALITY : ATIKOKAN
REGION : 06 NORTHWESTERNTREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 8,500
POPULATION SERVED : 4,500
PERCENT SERVED : 52.9

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 4.082 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<---				FLOW DATA				---><-BIOCHEMICAL OXYGEN DEMAND-><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				--->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG							
JAN/86-DEC/86																							
JAN	42.074	1.357	2.657	10.500	46	4.2	90	1.7	80	30.0	62	2.1	2.5	1.30	48	.050							
FEB	37.821	1.350	3.193	10.500	37	4.4	88	1.2	73	25.0	65	1.8	2.9	1.20	58	.064							
MAR	70.928	2.288	8.073	10.500	43	8.0	81	2.4	75	37.5	50	2.6	3.0	1.10	63	.135							
APR	143.388	4.779	8.689	10.500	28	5.2	81	3.2	55	32.5	40	3.2	1.9	.99	47	.130							
MAY	140.733	4.539	8.179	10.500	22	1.5	93	2.8	48	9.5	80	5.4	1.2	.54	55	.093							
JUN	93.725	3.124	6.231	10.500	38	1.8	95	3.3	60	11.0	81	4.5	2.2	.74	66	.137							
JUL	74.223	2.394	3.104	10.500	40	.9	97	2.9	72	6.6	90	4.8	2.5	.63	74	.139							
AUG	60.037	1.937	2.357	10.500	53	.6	98	3.1	83	5.5	93	4.6	2.8	.54	80	.136							
SEP	68.111	2.270	3.729	10.500	41	1.4	96	2.6	80	.8	99	5.3	2.6	.70	73	.129							
OCT	71.151	2.295	2.769	10.500	52	1.0	98	3.6	115	9.5	91	7.5	3.6	.79	78	.200							
NOV	64.155	2.138	2.616	10.500	57	1.8	96	3.5	90	12.5	86	4.9	3.6	.88	75	.175							
DEC	52.620	1.697	1.836	10.500	44	2.2	95	2.2	92	15.0	83	4.0	3.0	1.05	65	.103							
TOTAL		918.966						33.1				51.2				1.491							
AVERAGE			2.514		41	2.7	92		76	16.2	77		2.6	.87	65								
MAXIMUM				8.689																			
NO. OF SAMPLES					25	25			25	25			24	25									

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001006

EAR FALLS WPCP

MUNICIPALITY : EAR FALLS

REGION : 06 NORTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION
CONVERTIBLE OPERATING MODEDESIGN POPULATION : 5,000
POPULATION SERVED : 1,750
PERCENT SERVED : 35.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 2.863 1000 M3

DESIGN BOD5 : 280.0 MG/L

DESIGN SUSP.SOLIDS : 310.0 MG/L

<---				FLOW DATA				----<--BIOCHEMICAL OXYGEN DEMAND-->----				SUSPENDED SOLIDS				----<--- TOTAL PHOSPHORUS ---->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																			
JAN	39.030	1.259	1.449		92	1.7	98	3.5	145	7.0	95	5.3	4.5	.45	90	.158			
FEB	35.210	1.258	1.398		70	2.6	96	2.3	188	16.7	91	6.0	1.6	.55	65	.037			
MAR	39.860	1.286	1.520		73	2.2	96	2.8	155	2.5	98	6.0	4.2	.51	87	.147			
APR	39.840	1.330	1.962		85	1.7	98	3.3	153	9.5	93	5.7	3.4	.49	85	.116			
MAY	38.916	1.297	1.496		61	.9	98	2.3	103	5.7	94	3.7	3.2	.38	88	.110			
JUN	38.727	1.291	1.452		73	1.0	98	2.7	245	7.5	96	9.1	2.8	.36	87	.094			
JUL	39.692	1.280	1.502		35	.9	97	1.3	195	10.0	94	7.3	2.5	.46	81	.081			
AUG	40.834	1.317	1.499		59	.8	98	2.3	100	7.7	92	3.7	3.6	.48	86	.127			
SEP	39.774	1.326	1.922		59	1.1	98	2.3	545	8.5	98	21.3	3.7	.66	82	.121			
OCT	39.883	1.287	1.463		87	1.1	98	3.4	173	10.0	94	6.5	5.3	.73	86	.182			
NOV	37.948	1.265	1.422		76	.9	98	2.8	123	12.7	89	4.1	5.0	.62	87	.166			
DEC	38.608	1.245	1.415		106	1.3	98	4.0	110	7.0	93	3.9	5.8	.63	89	.200			
TOTAL	468.322							33.5				83.3				1.539			
AVERAGE		1.287			73	1.3	98		186	8.7	94		3.8	.52	84				
MAXIMUM			1.962																
NO. OF SAMPLES					27	27			27	27			24	27					

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001649

GERALDTON WPCP

MUNICIPALITY : GERALDTON

REGION : 06 NORTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION

DESIGN POPULATION : 0

POPULATION SERVED : 2,901

PERCENT SERVED : 0.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.813 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND-><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS				--->	
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG					
JAN/86-DEC/86																					
JAN	44.609	1.439	1.622		84	3.1	96	3.6	110	3.5	96	4.7	5.3	2.20	58	.138					
FEB	39.375	1.406	1.643		86	1.7	98	3.3	100	9.0	91	3.5	4.5	2.60	42	.075					
MAR	50.119	1.617	4.479		151	2.9	98	7.4	185	5.0	97	9.0	6.0	2.40	60	.180					
APR	98.436	3.281	4.898		44	12.3	72	3.1	83	17.0	79	6.4	2.2	1.21	45	.097					
MAY	80.855	2.608	3.994		57	1.4	97	4.4	105	3.0	97	8.2	3.7	1.30	64	.194					
JUN	78.402	2.613	3.957		44	6.1	86	2.9	75	8.0	89	5.2	2.4	1.50	37	.071					
JUL	60.831	1.885	3.635		55	2.8	94	3.1	110	2.0	98	6.5	3.6	1.30	63	.140					
AUG	44.769	1.444	1.916		72	1.3	98	3.1	92	2.0	97	4.0	4.2	1.95	53	.101					
SEP	47.008	1.567	2.167		77	2.3	97	3.5	120	2.5	97	5.5	4.7	2.00	57	.127					
OCT	67.760	2.186	3.173		57	1.3	97	3.7	125	3.0	97	8.2	3.5	1.40	60	.142					
NOV	47.428	1.581	2.228		89	2.1	97	4.1	155	4.5	97	7.1	5.2	2.00	61	.152					
DEC	40.350	1.302	1.553		104	1.9	98	4.1	123	3.0	97	4.8	5.8	2.30	60	.141					
TOTAL																					
	699.942							46.8				73.7				1.558					
AVERAGE																					
		1.911			76	3.2	94		115	5.2	94		4.2	1.84	55						
MAXIMUM																					
			4.898																		
NO. OF SAMPLES																					
					23	24			24	24			24	24							

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110003291

BALMERTOWN WPCP

MUNICIPALITY : GOLDEN (BALMERTOWN)
REGION : 06 NORTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION

DESIGN POPULATION : 1,800
POPULATION SERVED : 1,300
PERCENT SERVED : 72.2

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.227 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---- FLOW DATA				----><--BIOCHEMICAL OXYGEN DEMAND--><----				SUSPENDED SOLIDS				----><---- TOTAL PHOSPHORUS				----	
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	
JAN/86-DEC/86																	
JAN	36.405	1.174	1.428		88	6.8	92	2.9	77	8.0	89	2.5	3.8	2.65	30	.042	
FEB	35.229	1.258	1.392		80	5.5	93	2.6	77	7.5	90	2.4	3.8	1.95	48	.065	
MAR	42.195	1.361	2.185		70	14.7	79	2.3	67	12.0	82	2.3	4.1	2.30	43	.076	
APR	47.717	1.591	2.970		68	4.9	92	3.0	70	8.5	87	2.9	4.0	1.80	55	.105	
MAY	29.484	.951	1.518		67	4.0	94	1.8	88	11.5	86	2.2	4.2	2.20	47	.059	
JUN	26.829	.894			57	1.2	97	1.4	98	2.5	97	2.5	4.0	1.80	55	.059	
JUL	29.787	.961			57	1.4	97	1.6	78	3.0	96	2.2	3.3	2.80	15	.015	
AUG	32.487	1.048			64	1.5	97	2.0	75	2.5	96	2.3	3.7	2.10	43	.052	
SEP	29.036	.968	1.357		59	1.5	97	1.6	90	3.3	96	2.5	3.8	2.40	36	.041	
OCT	26.900	.866	1.130		97	1.9	98	2.5	120	7.0	94	3.0	5.4	2.70	50	.073	
NOV	28.460	.949	1.387		85	4.8	94	2.2	100	15.0	85	2.4	5.9	2.95	50	.084	
DEC	28.555	.921	1.533		86	4.7	94	2.3	88	12.5	85	2.1	5.7	3.20	43	.071	
TOTAL		393.084						26.7				29.7				.742	
AVERAGE			1.079		73	4.4	94		85	7.7	90		4.3	2.40	43		
MAXIMUM				2.970													
NO. OF SAMPLES					54	26			54	26			54	26			

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001355

IGNACE WPCP

MUNICIPALITY : IGNACE

REGION : 06 NORTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 5,000
POPULATION SERVED : 2,285
PERCENT SERVED : 45.7

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 2.495 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

FLOW DATA				BIOCHEMICAL OXYGEN DEMAND				SUSPENDED SOLIDS				TOTAL PHOSPHORUS				
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG
JAN/86-DEC/86																
JAN	36.123	1.165	1.265		80	4.0	95	2.7	130	18.5	85	4.0	4.7	1.10	76	.130
FEB	28.762	1.027	1.221		94	4.6	95	2.5	145	12.5	91	3.8	7.1	.07	99	.202
MAR	30.202	.974	1.147		81	5.2	93	2.2	105	12.0	88	2.8	5.6	.79	85	.145
APR	35.806	1.194	1.475		99	6.5	93	3.3	132	10.0	92	4.3	5.4	.72	86	.168
MAY	46.214	1.491	2.088		53	3.9	92	2.2	75	12.5	83	2.8	3.3	.62	81	.124
JUN	23.150	.772	1.486		81	3.5	95	1.7	123	15.0	87	2.5	3.8	.43	88	.078
JUL	29.675	.957	1.403		97	3.3	96	2.7	210	17.0	91	5.7	5.8	.51	91	.157
AUG	28.003	.903	.970		61	4.4	92	1.5	78	11.5	85	1.8	4.0	.78	80	.090
SEP	29.575	.986	1.226		83	3.0	96	2.3	110	9.5	91	2.9	5.7	.60	89	.151
OCT	35.520	1.146	1.303		66	2.7	95	2.2	110	15.0	86	3.3	4.4	.88	80	.125
NOV	33.420	1.114	1.186		90	3.8	95	2.8	145	12.5	91	4.4	5.4	.69	87	.157
DEC	35.214	1.136	1.250		98	3.8	96	3.3	170	12.5	92	5.5	4.3	.65	84	.129
TOTAL	391.664							30.1				44.3				1.656
AVERAGE		1.072			81	4.0	94		127	13.2	89		4.9	.65	85	
MAXIMUM			2.088													
NO. OF SAMPLES					24	24			24	24			24	24		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 120000471

MARATHON WPCP

MUNICIPALITY : MARATHON

REGION : 06 NORTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION

DESIGN POPULATION : 4,000

POPULATION SERVED : 2,317

PERCENT SERVED : 57.9

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 4.400 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<---				FLOW DATA				----<--BIOCHEMICAL OXYGEN DEMAND-->----				SUSPENDED SOLIDS				----<-- TOTAL PHOSPHORUS ---->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	1000 KG			
JAN/86-DEC/86																			
JAN	48.992	1.580	1.684		62	1.9	96	2.9	125	2.0	98	6.0	5.3	3.30	37	.098			
FEB	46.860	1.674	1.684		92	3.9	95	4.1	150	4.0	97	6.8	5.8	3.50	39	.108			
MAR	53.899	1.738	1.990		83	6.0	92	4.1	110	5.0	95	5.6	4.3	2.95	31	.073			
APR	47.162	1.572	1.684		78	2.0	97	3.5	173	3.0	98	8.0	5.3	2.80	47	.118			
MAY	48.700	1.571	1.684		91	2.7	97	4.3	165	3.0	98	7.8	6.1	4.00	34	.102			
JUN	49.841	1.661	1.760		103	2.8	97	4.9	170	3.5	97	8.2	6.6	3.20	51	.169			
JUL	54.104	1.745	1.760		132	6.5	95	6.7	215	15.0	93	10.8	8.4	5.15	38	.176			
AUG	52.700	1.700	1.760		85	3.6	95	4.2	180	5.5	96	9.1	6.4	3.20	50	.169			
SEP	31.365	1.045	1.215		96	1.5	98	2.9	165	1.5	99	5.1	5.8	2.95	49	.089			
OCT	34.624	1.117	1.532		102	2.8	97	3.4	110	5.0	95	3.6	6.3	4.10	34	.076			
NOV	35.240	1.175	1.831		105	2.1	98	3.6	145	4.5	96	4.9	7.7	3.50	54	.148			
DEC	32.994	1.064	1.448		101	2.4	97	3.2	103	5.5	94	3.2	6.8	3.70	45	.102			
TOTAL																			
536.481								48.4					79.6			1.428			
AVERAGE																			
		1.470			94	3.1	96		150	4.7	96		6.2	3.52	42				
MAXIMUM																			
			1.990																
NO. OF SAMPLES																			
					24	24			24	24			24	24					

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110003308

NAKINA WPCP (NO PH.REMOVAL JULY-MAR'87)

MUNICIPALITY : NAKINA
REGION : 06 NORTHWESTERNTREATMENT FACILITY : EXTENDED AERATION
CONVERTIBLE OPERATING MODE
PHOSPHORUS REMOVAL-CONTINUOUSDESIGN POPULATION : 1,100
POPULATION SERVED : 976
PERCENT SERVED : 88.7

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.500 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<--- FLOW DATA

---><-BIOCHEMICAL OXYGEN DEMAND-><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																
JAN	12.850	.415	.461		95	3.5	96	1.1	123	11.5	90	1.4	5.9	3.35	43	.033
FEB	13.445	.480	1.362		73	4.1	94	.9	115	12.5	89	1.3	5.3	3.30	37	.027
MAR	13.003	.419	.585		47	15.7	66	.4	73	11.0	84	.8	3.4	3.40		
APR	24.204	.807	1.078		95	1.8	98	2.2	326	6.3	98	7.7	4.9	1.90	61	.073
MAY	20.432	.659	.944		84	9.3	88	1.5	153	11.0	92	2.9	4.1	1.60	60	.051
JUN	17.026	.567	.982		46	2.3	95	.7	75	8.0	89	1.1	2.6	2.70	-	-
JUL	15.282	.493	.732		120	2.2	98	1.8	182	4.5	97	2.7	7.1	2.70	61	.067
AUG	12.726	.411	.483		155	1.6	98	1.9	285	2.0	99	3.6	8.1	2.55	68	.071
SEP	11.024	.367	1.220		60	4.7	92	.6	105	4.5	95	1.1	4.4	1.27	71	.035
OCT	16.014	.516	.625		49	15.2	68	.5	90	11.0	87	1.2	4.3	1.82	57	.040
NOV	13.664	.455	.535		68	2.9	95	.8	120	7.0	94	1.5	3.3	.78	76	.034
DEC	12.459	.402	.806		51	4.5	91	.5	75	8.0	89	.8	4.3	2.70	37	.020
TOTAL	182.129							13.4				26.4				.451
AVERAGE		.499			78	5.6	90		143	8.1	92		4.8	2.33	57	
MAXIMUM			1.362													
NO. OF SAMPLES					25	25			25	25			25	24		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002185

PICKLE LAKE WPCP

MUNICIPALITY : PICKLE LAKE

REGION : 06 NORTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION

DESIGN POPULATION : 1,800

POPULATION SERVED : 325

PERCENT SERVED : 18.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.909 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS				---><--- TOTAL PHOSPHORUS --->			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																			
JAN	4.844	.200	.195		8	1.2	85		20	4.5	77			1.2	1.10	8			
FEB	4.100	.150	.187		13	1.4	89		25	6.5	74			.9	2.00	-			-
MAR	4.870	.160	.235		20	1.5	92		55	4.5	91	.2		1.2	1.30	-			-
APR	7.400	.200	.457		33	1.9	94	.2	38	1.9	95	.2		.7	3.00	-			-
MAY	9.300	.300	.420		16	.9	94	.1	33	3.0	90	.2		.7	.84	-			-
JUN	8.440	.281	.374		17	1.3	92	.1	45	3.5	92	.3		.7	1.10	-			-
JUL	10.130	.330	.424		21	2.0	90	.1	30	6.0	80	.2		1.0	1.70	-			-
AUG	8.490	.300	.359		39	1.2	96	.3	43	3.0	93	.3		1.0	2.00	-			-
SEP	5.400	.200	.247		23	1.2	94	.1	30	2.0	93	.1		1.2	1.70	-			-
OCT	5.766	.186	.221		24	1.3	94	.1	35	2.0	94	.1		1.0	1.60	-			-
NOV	5.275	.176	.208		21	2.2	89		30	6.0	80	.1		1.3	2.00	-			-
DEC	5.519	.178	.203		17	1.7	90		12	4.0	66			.8	1.90	-			-
TOTAL	79.534							1.6				2.3							
AVERAGE		.222			21	1.4	91		33	3.9	85			.9	1.68	8			
MAXIMUM			.457																
NO. OF SAMPLES					16	17			18	17				15	19				

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001131

RED LAKE WPCP

MUNICIPALITY : RED LAKE

REGION : 06 NORTHWESTERN

TREATMENT FACILITY : EXTENDED AERATION

DESIGN POPULATION : 3,300
 POPULATION SERVED : 1,945
 PERCENT SERVED : 58.9

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 2.463 1000 M3

DESIGN BOD5 : 204.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<--- FLOW DATA				----<--BIOCHEMICAL OXYGEN DEMAND-->----				SUSPENDED SOLIDS				----<--- TOTAL PHOSPHORUS ---->				
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 KG
JAN/86-DEC/86																
JAN	59.933	1.933	2.061		45	8.2	81	2.2	68	5.5	91	3.7	2.6	1.60	38	.060
FEB	54.138	1.934	2.565		61	4.0	93	3.0	67	12.5	81	2.9	2.9	1.25	56	.089
MAR	60.550	1.950	2.797		75	4.4	94	4.2	90	10.0	88	4.8	4.0	1.50	62	.151
APR	72.534	2.418	4.102		48	3.8	92	3.2	65	15.0	76	3.6	2.1	1.10	47	.073
MAY	65.320	2.110	2.550		68	7.1	89	3.9	98	14.0	85	5.4	3.5	1.30	62	.144
JUN	57.972	1.932	2.804		51	7.4	85	2.5	90	12.3	86	4.5	3.4	1.24	63	.125
JUL	52.228	1.684	1.928		50	1.5	97	2.5	67	3.5	94	3.3	3.0	1.25	58	.091
AUG	50.817	1.639	1.806		83	3.0	96	4.0	100	4.0	96	4.8	3.7	1.40	62	.117
SEP	50.331	1.678	2.210		50	2.2	95	2.4	77	7.0	90	3.5	3.5	1.90	45	.081
OCT	45.990	1.484	1.955		77	2.1	97	3.4	100	6.0	94	4.3	4.4	1.70	61	.124
NOV	44.591	1.486	2.211		90	2.5	97	3.9	120	8.0	93	4.9	4.7	1.70	63	.134
DEC	47.487	1.532	2.581		80	3.8	95	3.6	90	15.0	83	3.5	5.2	2.20	57	.142
TOTAL		661.891						39.2				49.7				1.331
AVERAGE			1.815		64	4.1	92		86	9.4	88		3.5	1.51	56	
MAXIMUM			4.102													
NO. OF SAMPLES					24	22			24	22			22	22		

SEWAGE TREATMENT - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002112 SCHREIBER WPCP

MUNICIPALITY : SCHREIBER
REGION : 06 NORTHWESTERNTREATMENT FACILITY : EXTENDED AERATION
CONTACT STABILIZATION
CONVERTIBLE OPERATING MODEDESIGN POPULATION : 2,000
POPULATION SERVED : 1,937
PERCENT SERVED : 96.8

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.136 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<--- FLOW DATA

----><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ----><--- TOTAL PHOSPHORUS ---->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	PEAK RT 1000 M3 /DAY	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION 1000 %	KG
JAN/86-DEC/86																
JAN	31.593	1.019	1.246		71	21.8	69	1.5	113	30.0	73	2.6	4.1	2.28	44	.057
FEB	32.983	1.178	1.534		97	17.3	82	2.6	195	27.5	85	5.5	4.8	2.18	54	.086
MAR	31.563	1.018	1.114		86	18.0	79	2.1	105	23.8	77	2.5	3.8	2.30	39	.047
APR	29.912	.997	1.300		193	21.3	88	5.1	940	35.0	96	27.0	6.1	2.50	59	.108
MAY	33.422	1.078	1.469		87	18.5	78	2.2	130	30.0	76	3.3	6.8	2.20	67	.154
JUN	21.964	.732	.777		190	43.0	77	3.2	220	27.5	87	4.2	5.8	3.20	44	.057
JUL	22.270	.718	.788		141	20.0	85	2.6	200	12.5	93	4.1	5.1	2.80	45	.051
AUG	21.669	.699	.795		102	23.5	76	1.7	140	22.5	83	2.5	5.9	2.00	66	.085
SEP	19.170	.639	.729		200	23.0	88	3.3	200	15.0	92	3.5	6.9	3.70	46	.061
OCT	21.159	.683	.864		109	24.6	77	1.7	143	15.0	89	2.7	5.7	2.53	55	.067
NOV	20.474	.682	.816		143	9.9	93	2.7	125	14.0	88	2.2	6.0	2.15	64	.079
DEC	20.466	.660	.769		128	21.5	83	2.1	155	22.5	85	2.7	6.0	3.00	50	.061
TOTAL	306.645							31.4				63.3				.913
AVERAGE		.842			128	21.8	81		222	22.9	85		5.5	2.57	53	
MAXIMUM			1.534													
NO. OF SAMPLES					23	30			23	30			23	30		





WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002292

RAINY RIVER LAGOON

MUNICIPALITY : ATWOOD (RAINY RIVER)

REGION : 06 NORTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 1,450

POPULATION SERVED : 975

PERCENT SERVED : 67.2

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.991 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<---				FLOW DATA				---><--BIOCHEMICAL OXYGEN DEMAND--><---				SUSPENDED SOLIDS ---><---				TOTAL PHOSPHORUS ---><---			
DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %	INFLUENT MG/L	EFFLUENT MG/L	REDUCTION %						
JAN/86-DEC/86																			
JAN	19.683	.306	.307	18.760	80	15.0		120	6.0			2.9	2.50						
FEB	15.842	.566	.646		107			130				6.3							
MAR	27.435	.885	2.559	23.919	105	29.0		108	5.0			3.8	2.40						
APR	37.920	1.264	3.714	20.472	39	15.5		68	20.0			2.4	1.47						
MAY	30.904	.997	2.541	50.327	49	6.3		87	11.2			3.0	.72						
JUN	20.415	.680	1.787		74			160				.5							
JUL	23.277	.750	1.477	46.915	70	2.1		102	3.0			4.0	.52						
AUG	19.281	.622	1.009		150			215				6.4							
SEP	22.976	.766	1.659	40.944	51	8.2		83	58.0			.4	.90						
OCT	17.963	.579	.809		133			165				4.3							
NOV	22.976	.766	.909		107			145				5.0							
DEC	17.422	.562	.727	46.662	107	1.5		153	2.5			5.8	.86						
TOTAL																			
	276.094			247.999															
AVERAGE																			
		.729			89	11.0	82	128	15.1	81		3.7	1.33	56					
MAXIMUM																			
			3.714																
NO. OF SAMPLES																			
					27	26		27	26			27	26						

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110001015

EMO LAGOON

MUNICIPALITY : EMO

REGION : 06 NORTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 1,000

POPULATION SERVED : 750

PERCENT SERVED : 75.0

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.272 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA ---><---BIOCHEMICAL OXYGEN DEMAND---><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	12.200	.393	.442		173			575			5.6		
FEB	10.800	.387	.499		105			138			7.4		
MAR	14.600	.469	.842		91			120			4.6		
APR	18.460	.636	1.520		68			132			4.4		
MAY	15.800	.509	.963	32.900	104	12.3		190	23.0		4.2	1.50	
JUN	12.200	.405	.454	25.700	84	19.5		135	90.0		6.2	1.80	
JUL	13.900	.450	.616		78			145			5.2		
AUG	12.500	.402	.504		140			235			5.6		
SEP	15.500	.516	.996		85			110			6.8		
OCT	13.600	.440	.524		94			170			6.0		
NOV	13.300	.441	.877	52.600	91	7.0		140	12.0		6.9	1.60	
DEC	13.100	.422	.490	12.500	98	15.0		160	20.0		6.5	2.00	
TOTAL		165.960		123.700									
AVERAGE			.456		100	13.4	85	187	36.2	75	5.7	1.72	70
MAXIMUM				1.520									
NO. OF SAMPLES					12	4		12	4		12	4	

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002504

COCHENOUR LAGOON

MUNICIPALITY : GOLDEN (COCHENOUR)

REGION : 06 NORTHWESTERN

TREATMENT FACILITY : CONVENTIONAL LAGOON SEASONAL

DESIGN POPULATION : 1,127

POPULATION SERVED : 800

PERCENT SERVED : 70.9

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 0.768 1000 M3

DESIGN BOD5 : 0.0 MG/L

DESIGN SUSP.SOLIDS : 0.0 MG/L

<--- FLOW DATA

----><--BIOCHEMICAL OXYGEN DEMAND--><--- SUSPENDED SOLIDS ----><--- TOTAL PHOSPHORUS ---->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	12.001	.387	.602										
FEB	12.384	.442	.538										
MAR	16.317	.526	.830										
APR	12.333	.411	.903										
MAY	8.982	.290	.377		72			110			5.1		
JUN	7.556	.252	.299		20			33			.8		
JUL	7.412	.239	.299		90			150			7.0		
AUG	7.208	.233	.303		29			30			2.1		
SEP	13.110	.437	.881		17			33			1.8		
OCT	19.295	.622	.929		66			95			4.5		
NOV	13.940	.481	.962										
DEC	14.300	.460	.582										
TOTAL													
	144.838												
AVERAGE													
		.398			49			75			3.5		
MAXIMUM													
			.962										
NO. OF SAMPLES													
					10			10			10		

WASTE STABILIZATION PONDS - PERFORMANCE REPORT

REPORT DATE: 18 JUN 87

WORKS NUMBER : 110002309

BEARDMORE LAGOON

MUNICIPALITY : BEARDMORE

REGION : 06 NORTHWESTERN

TREATMENT FACILITY : EXFILTRATION LAGOON

DESIGN POPULATION : 1,000

POPULATION SERVED : 625

PERCENT SERVED : 62.5

OPERATING AUTHORITY: MINISTRY OF THE ENVIRONMENT

DESIGN CAPACITY : 1.363 1000 M3

DESIGN BOD5 : 170.0 MG/L

DESIGN SUSP.SOLIDS : 200.0 MG/L

<--- FLOW DATA ---><---BIOCHEMICAL OXYGEN DEMAND---><--- SUSPENDED SOLIDS ---><--- TOTAL PHOSPHORUS --->

DATE	TOTAL VOLUME 1000 M3	AVG DAY 1000 M3 /DAY	MAX DAY 1000 M3 /DAY	T.VOL.TO W/COURSE 1000 M3	REDUCTION			REDUCTION			REDUCTION		
					INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%	INFLUENT MG/L	EFFLUENT MG/L	%
JAN/86-DEC/86													
JAN	5.550	.179	.261		128			125				5.6	
FEB	4.857	.173	.232		110			100				5.7	
MAR	5.454	.176	.309		100			80				4.9	
APR	13.617	.454	.724		51			73				3.4	
MAY	11.409	.368	.618		58			100				3.3	
JUN	7.443	.248	.376		82			83				3.5	
JUL	7.283	.235	.405		124			170				6.7	
AUG	5.954	.192	.367		86			170				6.0	
SEP	4.960	.165	.261		130			127				6.1	
OCT	5.155	.166	.261		73			78				5.9	
NOV	6.035	.201	.328		114			120				6.7	
DEC	4.894	.158	.261		114			110				8.0	

TOTAL
82.611

AVERAGE
.226

MAXIMUM
.724

NO. OF SAMPLES

17

17

18

APPENDIX

1986 PROJECT START-UPS, HAVE CHANGED OPERATING AUTHORITY AND NO DATA AVAILABLE

- START-UPS

West Central Region:

- Drayton Lagoon

Northwestern Region:

- Chapleau Lagoon
- Mattice-Val-Cote Lagoon
- Sault Ste. Marie-Westend WPCP
- White River Lagoon (in Op. Since 1978 Sept.)

- PROJECTS HAVE CHANGED OPERATING AUTHORITY

Southeastern Region:

- Stirling Lagoon from MIN to MUN

West Central Region:

- Harriston Lagoon from Conv. Lagoon Seasonal to Aerated Lagoon

Northeastern Region:

- New Liskeard Lagoon from Conv. Lagoon Continuous to Aerated Cell Plus Lagoon

- PROJECTS WITH NO DATA AVAILABLE

Southwestern Region:

- Paisley WPCP - Chesley Lagoon

West Central Region:

- Nanticoke - Townsend Lagoon

Northeastern Region:

- Mattice - Val-Cote Lagoon
- Opasatika Lagoon
- White River Lagoon

Northwestern Region:

- Baird - Madsen Communal Septic Tank